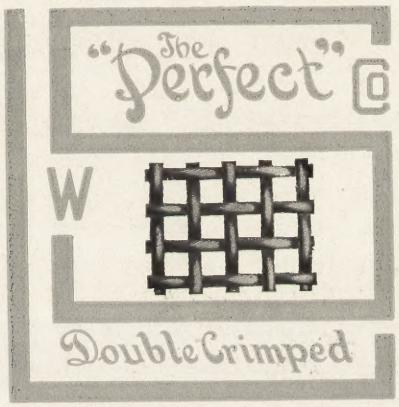
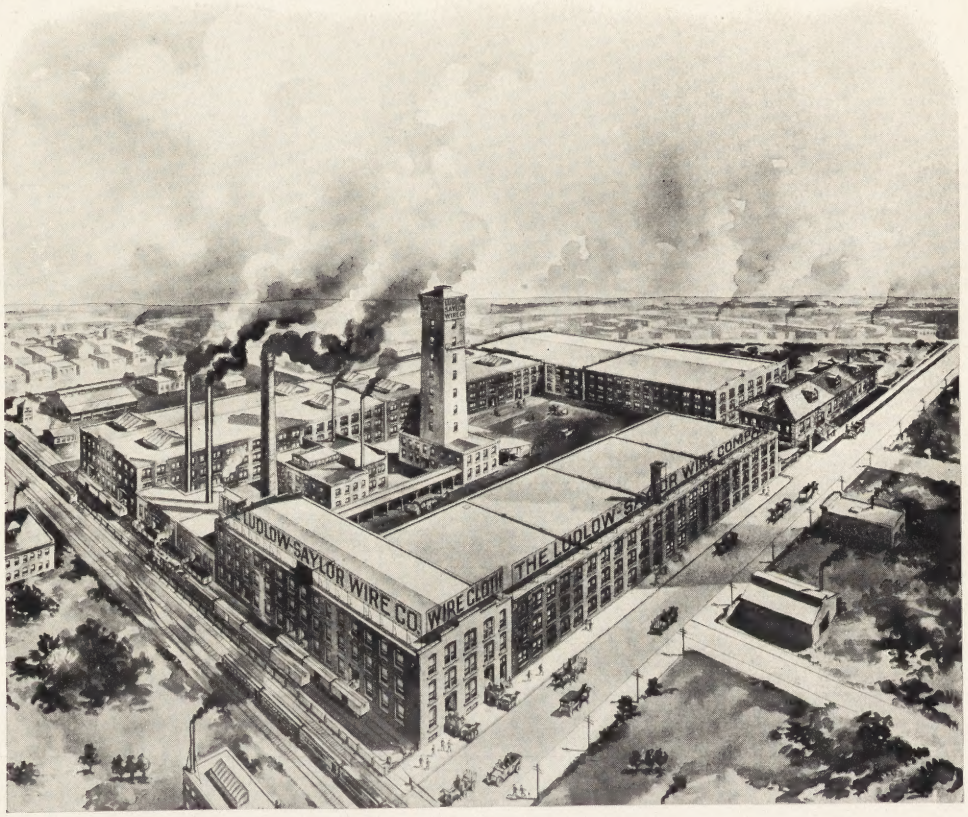
THE LUDLOW-SAYLOR WIRE CO.

· SAINT LOUIS ·

The

LUDLOW-SAYLOR WIRE COMPANY





Main Office and Factory

of the

Ludlow-Saylor Wire Company

Newstead Avenue and Wabash Railroad

St. Louis, Missouri, U. S. A.

LUDLOW-SAYLOR WIRE CO. ST. LOUIS, U.S.A.

THE LUDLOW-SAYLOR WIRE COMPANY

MANUFACTURERS OF

THE PERFECT
DOUBLE CRIMPED WIRE CLOTH

AND

REK-TANG SCREEN
FOR MINING AND ALL
OTHER PURPOSES

CATALOGUE Nº 46

OFFICES AND WORKS

NEWSTEAD AVENUE AND WABASH R.R.

SAINT LOUIS, U.S.A.

Screens That Last

SERVICE is the most distinctive attribute of the *Ludlow-Saylor* products—good, long, honest, faithful *service*, backed by highest quality and a broad, liberal business policy that spares neither effort nor expense in solving the most vexatious and difficult screen problems for its patrons.

This company has always been averse to the idea of superficiality and mere cheapness and has won a most enviable reputation as producers of the "best that's made", thereby building up a business of tremendous magnitude on the sure, substantial foundation of *Merit.*

Years of experience, carefully compiled records of experiments and results, and a vast collection of other valuable information are always freely available to screen users in all parts of the world.

The object of this book is two-fold: First, to advertise and thereby create an even greater demand for the *Ludlow-Saylor* products; second, as an educational work that shall provide information of almost incalculable value to those in charge of industries where screens are used, proving that *Ludlow-Saylor* screens are not mere woven wire, but that each and every kind is made for a distinct, definite purpose and according to methods that have been perfected by years and years of careful investigation and experiment. Every known condition under which screens may be used has been thoroughly studied with a view towards making a screen for every conceivable purpose that shall exactly fulfill every requirement.

If this book proves of interest and value to those to whom it is sent, its purpose will have been amply achieved.

Sincerely,

THE LUDLOW-SAYLOR WIRE CO.

Gauge Numbers and Decimals

We use decimal numbers to denote wire diameter, but for the benefit of those still accustomed to the old gauge numbers we will, throughout this entire book, use both systems.

On the opposite page we show the relative variance in size as shown by several different gauge tables that are used most commonly.

You will notice that, while the number of two wires, under the old system, may be the same, yet the actual size, as expressed more accurately in decimal fractions of an inch, will vary somewhat under the different tables. For this reason it has been found advisable to always give actual decimal measurements, thus precluding the possibility of error in filling orders.

When both the gauge number and standard are known, it will be possible to determine the actual size of the wire by referring to these tables. There is, therefore, but one safe and sure method to pursue in ordering—never forget to give the size wanted in decimal fractions of an inch—use the numbers if you care to do so but give the decimal measurements also.

The Ludlow-Saylor Standard

Decimal Sizes for Wire of all Metals

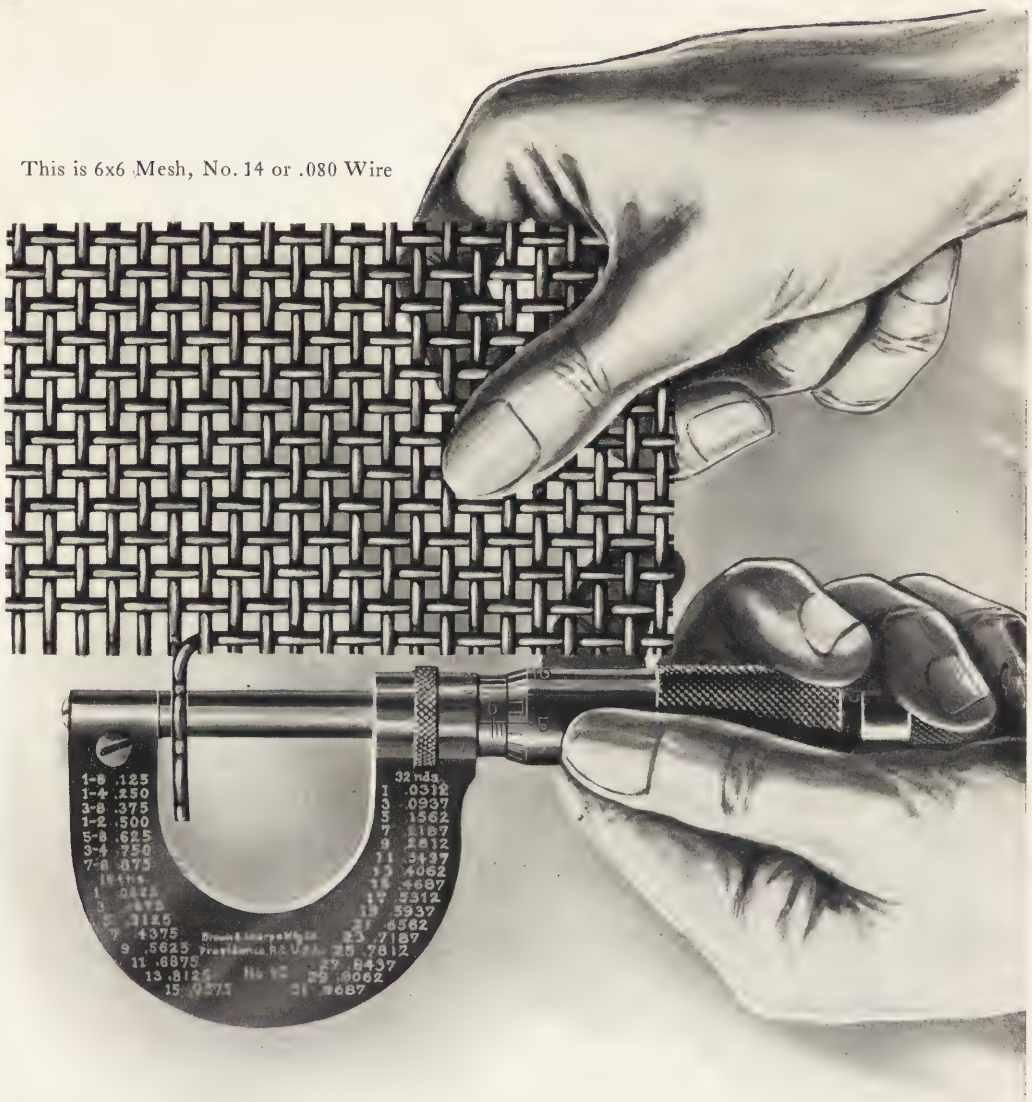
Steel Wire Gauge or Washburn and Moen

Number	Decimal	Number	Decimal
4–0	.3938	24	.0230
3–0	.3625	25	.0204
2–0	.3310	26	.0181
0	.3065	27	.0173
1	.2830	28	.0162
2	.2625	29	.0150
3	.2437	30	.0140
4	.2253	31	.0132
5	.2070	32	.0128
6	.1920	33	.0118
7	.1770	34	.0104
8	.1620	35	.0095
9	.1483	36	.0090
10	.1350	37	.0085
11	.1205	38	.0080
12	.1055	39	.0075
13	.0915	40	.0070
14	.0800	41	.0066
15	.0720	42	.0062
16	.0625	43	.0060
17	.0540	44	.0058
18	.0475	45	.0055
19	.0410	46	.0052
20	.0348	47	.0050
21	.0317	48	.0048
22	.0286	49	.0046
23	.0258	50	.0044

NOTE: The above table gives the exact decimal size of wire in ten thousandths of an inch from No. 4-0 to 50 inclusive, but for convenience throughout the following pages the coarser sizes up to and including No. 30 are expressed in thousandths of an inch, and from No. 31 to 50 in ten thousandths of an inch.

Table Showing the Difference Between Wire Gauges in Decimals of an Inch

Number	Steel Wire Gauge or Washburn and Moen	Birmingham or Stubs	American or Brown & Sharpe	United States or U. S.	Old English	Imperial or English Standard
4–0	.393	.454	.460	.40625	.454	.400
3–0	.362	.425	.40964	.375	.425	.372
2–0	.331	.380	.36480	.34375	.380	.348
0	.307	.340	.32495	.3125	.340	.324
1	.283	.300	.28930	.28125	.300	.300
2	.263	.284	.25763	.26562	.284	.276
3	.244	.259	.22942	.25	.259	.252
4	.225	.238	.20431	.234375	.238	.232
5	.207	.220	.18194	.21875	.220	.212
6	.192	.203	.16202	.203125	.203	.192
7	.177	.180	.14428	.1875	.180	.176
8	.162	.165	.12849	.171875	.165	.160
9	.148	.148	.11443	.15625	.148	.144
10	.135	.134	.10189	.140625	.134	.128
11	.120	.120	.09074	.125	.120	.116
12	.105	.109	.08081	.109375	.109	.104
13	.092	.095	.07196	.09375	.095	.092
14	.080	.083	.06408	.078125	.083	.080
15	.072	.072	.05707	.070312	.072	.072
16	.063	.065	.05082	.0625	.065	.064
17	.054	.058	.04525	.05625	.058	.056
18	.047	.049	.04030	.05	.049	.048
19	.041	.042	.03589	.04375	.040	.040
20	.035	.035	.03196	.0375	.035	.036
21	.032	.032	.02846	.034375	.0315	.032
22	.028	.028	.025347	.03125	.0295	.028
23	.025	.025	.022571	.028125	.027	.024
24	.023	.022	.0201	.025	.025	.022
25	.020	.020	.0179	.021875	.023	.020
26	.018	.018	.01594	.01875	.0205	.018
27	.017	.016	.014195	.0171875	.01875	.0164
28	.016	.014	.012641	.015625	.0165	.0148
29	.015	.013	.011257	.0140625	.0155	.0136
30	.014	.012	.010025	.0125	.01375	.0124
31	.0132	.010	.008928	.0109375	.01225	.0116
32	.0128	.009	.00795	.010156	.01125	.0108
33	.0118	.008	.00708	.009375	.01025	.0100
34	.0104	.007	.0063	.008593	.0095	.0092
35	.0095	.005	.00561	.007812	.009	.0084
36	.0090	.004	.005	.007031	.0075	.0076
37	.0085		.00445	.006640	.0065	.0068
38	.0080		.003965	.00625	.00575	.0060
39	.0075		.003531		.005	.0052
40	.0070		.003144		.0045	.0048
41	.0066					
42	.0062					
43	.0060					
44	.0058					
45	.0055					
46	.0052					
47	.0050					
48	.0048					
49	.0046					
50	.0044					



How to Determine Wire Diameter

In ascertaining the gauge of wire in decimals of an inch, the micrometer (equipped with a ratchet) is almost indispensable, being absolutely accurate to the thousandth of an inch. Other gauges may be made to do, but are more or less objectionable for various reasons. A disc gauge, when used upon fine wires may stretch the wire a size in forcing it into the notch. The fork gauge, if not used with greatest care, is apt to be sprung so as to make an error of a size. We, therefore, recommend the micrometer, thus leaving no possible chance for mechanical error.

Cut Illustrating the Actual Size of Wire Giving Number of Wire and Decimals Washburn and Moen Gauge

Also Approximate Size in Fractions

No.	Decimal W. & M. Gauge	Actual Size of Wire	Fraction of an Inch	Decimal of an Inch
0	.307		$\frac{5}{16}$	.3125
1	.283		$\frac{9}{32}$	.28125
2	.263		$\frac{17}{64}$	.265625
3	.244		$\frac{1}{4}$	.25
4	.225		$\frac{7}{32}$	.21875
5	.207		$\frac{13}{64}$	.203125
6	.192		$\frac{3}{16}$	.1875
7	.177		$\frac{11}{64}$	.171875
8	.162		$\frac{5}{32}$	.15625
9	.148			
10	.135		$\frac{9}{64}$	.140625
11	.120		$\frac{1}{8}$	.125
12	.105		$\frac{7}{64}$	.109375
13	.092		$\frac{3}{32}$	.09375
14	.080		$\frac{5}{64}$	.078125
15	.072			
16	.063		$\frac{1}{16}$	.0625
17	.054			
18	.047		$\frac{3}{64}$	.046875
19	.041			
20	.035			
21	.032		$\frac{1}{32}$	.03125

What Mesh Is

When we speak of the mesh, we mean the number of openings to the lineal inch. To ascertain this it is only necessary to measure from the center of a wire to the point one inch away; thus, a six mesh screen as illustrated on opposite page will have 6 openings between any two wires that are one inch apart. In fractional meshes, the inch will fall between wires.

In stating a mesh by inches or fractions of inches always remember to specify whether the measurement is "center to center" (from center of one wire to center of another) or "in the clear" (meaning space between wires).

Technically a "space" is the actual opening between wires—for example, "½ inch space," .162 wire, means that the wires are ½ inch apart "in the clear" and their diameter is .162 inches.

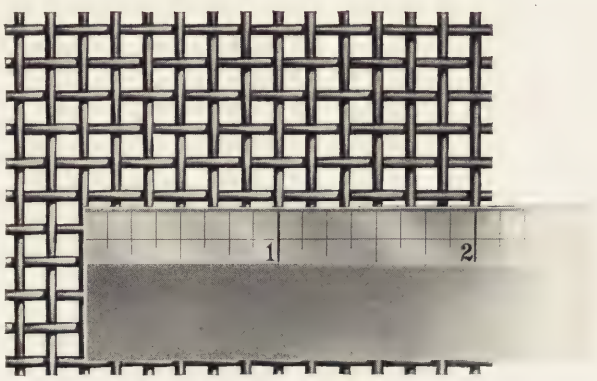
For the convenience of our many customers we print on this page a table of decimals and common fractions and also a table of millimeters, fractions and decimals which will be found of great assistance to those who are accustomed to expressing the size of wire or openings in either fractions of an inch or millimeters, to ascertain quickly and accurately the corresponding size as expressed in decimals of an inch.

Table of Decimals and Common Fractions

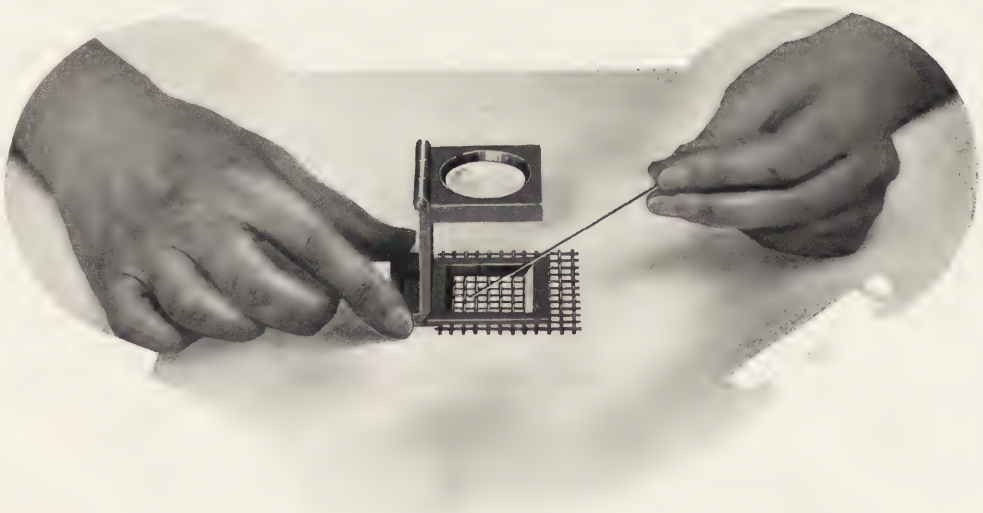
Fractions	32nds	64ths	Decimals	Fractions	32nds	64ths	Decimals
		1	.015625			33	.515625
	1	2	.03125		17	34	.53125
		3	.046875			35	.546875
1/16	2	4	.0625	9/16	18	36	.5625
		5	.078125			37	.578125
	3	6	.09375		19	38	.59375
		7	.109375			39	.609375
1/8	4	8	.125	5/8	20	40	.625
		9	.140625			41	.640625
	5	10	.15625		21	42	.65625
		11	.171875			43	.671875
3/16	6	12	.1875	11/16	22	44	.6875
		13	.203125			45	.703125
	7	14	.21875		23	46	.71875
		15	.234375			47	.734375
1/4	8	16	.25	3/4	24	48	.75
		17	.265625			49	.765625
	9	18	.28125		25	50	.78125
		19	.296875			51	.796875
5/16	10	20	.3125	13/16	26	52	.8125
		21	.328125			53	.828125
	11	22	.34375		27	54	.84375
		23	.359375			55	.859375
3/8	12	24	.375	7/8	28	56	.875
		25	.390625			57	.890625
	13	26	.40625		29	58	.90625
		27	.421875			59	.921875
7/16	14	28	.4375	15/16	30	60	.9375
		29	.453125			61	.953125
	15	30	.46875		31	62	.96875
		31	.484375			63	.984375
1/2	16	32	.5		32	64	1.

Table of Millimeters, Fractions and Decimals

Millimeters	Fractions	Decimals	Millimeters	Fractions	Decimals
3/4		.02952	6½		.25591
1		.03937	7		.27559
	3/64	.04687		9/32	.28125
1¼		.04921		5/16	.3125
1½		.05906	8		.31496
	1/16	.06250	9		.34533
	5/64	.07812		3/8	.375
2		.07874	10		.3937
2¼		.08858	11		.43307
	3/32	.09375		7/16	.4375
2½		.09843	12		.47244
3		.11811		½	.5
	1/8	.125	13		.51181
3¼		.12795	14		.55118
3½		.1378	15		.59055
	9/64	.14062		19/32	.59375
4		.15748		9/16	.625
4½		.17717	19		.74803
	5/32	.18750		3/4	.75
5		.19685	22		.86614
5½		.21654		7/8	.875
6		.23622	25		.98425
	¼	.25		1	.



6 Mesh, No 18 .047 Wire



How the Mesh-Counter is used

Size of Openings and Thickness of Wire

The Service required of a screen should determine the size and nature of the wire employed in its construction.

The size of the screened product depends on the size of the openings or air spaces between the wires. This being satisfactory, the next thing to consider is the number of mesh and the diameter of wire.

If a heavy hard substance is to be screened, it is obvious that a hard, strong wire will be necessary to bear the weight of material and withstand the wear; on the other hand, if light material is to be screened, a smaller wire will answer the purpose.

To illustrate the possibilities in the selection of screen of the same sized opening, we will suppose .0305 is the opening desired. By referring to the tables we find that 22 mesh .015 wire has an opening .0305. If .015 wire is too light, a larger size in the same sized opening is shown in 16 mesh, .032 wire with .0305 opening and so on up the list until a wire is found with the correct sized opening and still heavy enough for the service.

On the opposite page is a very convenient table showing different sizes of wires in numbers, decimals of an inch and millimeters; also the weight per foot and number of feet to the pound. This table is applicable to steel wire only and the sizes are given according to the Washburn & Moen gauge.

Table Showing Decimals, Metric Equivalents, Weight Per Foot, and Feet Per Pound, Steel Wire. Washburn and Moen Gauge.

Number of Wire	Decimal of Inch	Millimeters	Pounds per Foot	Feet per Pound
4–0	.3938	10.00	.4136	2.418
3–0	.3625	9.2075	.3505	2.853
2–0	.3310	8.407	.2922	3.422
0	.3065	7.785	.2506	3.991
1	.2830	7.188	.2136	4.681
2	.2625	6.668	.1838	5.441
3	.2437	6.190	.1584	6.313
4	.2253	5.723	.1354	7.386
5	.2070	5.258	.1143	8.750
6	.1920	4.877	.09832	10.17
7	.1770	4.496	.08356	11.97
8	.1620	4.115	.07000	14.29
9	.1483	3.767	.05866	17.05
10	.1350	3.429	.04861	20.57
11	.1205	3.061	.03873	25.82
12	.1055	2.68	.02969	33.69
13	.0915	2.324	.02233	44.78
14	.0800	2.032	.01707	58.58
15	.0720	1.829	.01383	72.32
16	.0625	1.588	.01042	95.98
17	.0540	1.372	.007778	128.60
18	.0475	1.207	.006018	166.20
19	.0410	1.041	.004484	223.00
20	.0348	.8839	.003230	309.60
21	.0317	.8052	.002680	373.10
22	.0286	.7264	.002182	458.4
23	.0258	.6553	.001775	563.3
24	.0230	.5842	.001411	708.7
25	.0204	.5182	.001110	900.9
26	.0181	.4597	.0008738	1144.
27	.0173	.4394	.0007983	1253.
28	.0162	.4115	.0007000	1429.
29	.0150	.3810	.0006001	1666.
30	.0140	.3556	.0005228	1913.
31	.0132	.3353	.0004647	2152.
32	.0128	.3251	.0004370	2288.
33	.0118	.2997	.0003714	2693.
34	.0104	.2642	.0002885	3466.
35	.0095	.2413	.0002407	4154.
36	.0090	.2286	.0002160	4629.
37	.0085	.2159	.0001927	5189.
38	.0080	.2032	.0001707	5858.
39	.0075	.1905	.0001500	6665.
40	.0070	.1778	.0001307	7652.
41	.0066	.1676	.0001162	8607.
42	.0062	.1575	.0001025	9753.
43	.0060	.1524	.00009602	10415.
44	.0058	.1473	.00008972	11145.
45	.0055	.1397	.00008068	12394.
46	.0052	.1321	.00007212	13866.
47	.0050	.1270	.00006668	14997.
48	.0048	.1219	.00006145	16273.
49	.0046	.1168	.00005644	17718.
50	.0044	.1118	.00005164	19366.

"The Perfect" Double Crimped Wire Cloth

Thousands of satisfied users, in all parts of the United States and in many foreign countries, testify to the superiority of the Ludlow-Saylor "Perfect" double crimped wire cloth—and they give their testimony in a fashion that admits of no argument—by re-orders.

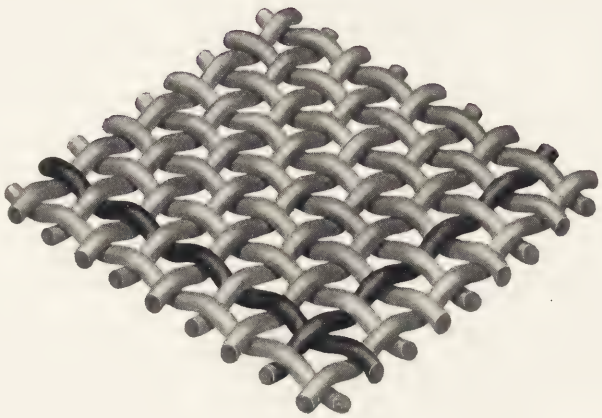
Seldom indeed does a man of discernment and practical experience ever again use any other make of screen after having once used the "Perfect."

The reason for this lies in the care with which the wires are made, the way they are woven and the clever crimped feature.

In the weaving of the "Perfect" double crimped wire cloth, each wire supports and strengthens every other wire, the shoot wires being arched over and under the warp wires, and the warp wires arched over and under the shoot wires, thus forming a mesh that is absolutely and permanently rigid, eliminating all possibility of wires slipping and insuring an evenness of the screened product.

And the wires are not bent but *crimped*—not with sharp angles, but curved gradually and gracefully over and under the intersecting wires, without any rough corners. Thus the full strength of each wire is retained and its surface kept smooth and unbroken. All strain is equally distributed over the entire screen, and the openings remain uniform and equal as long as there remains enough metal to sustain the weight of the material to be screened.

The initial cost of the "Perfect" screen is perhaps a trifle more than that of the commonplace, ordinary, non-durable kinds, but its lasting powers more than counterbalance the slight additional initial cost and make it eventually by far the cheapest to buy.



Illustrating the "Double Crimped" Feature as found in All Ludlow-Saylor Screens

Note the Uniform Crimp in the Two Shaded Wires in Above Cut

Also the firm rigidity of the entire weave, obtained by the double crimping of both warp and shoot wires, making it absolutely impossible for any single wire to shift, thereby insuring the permanency of the mesh and uniform even wear throughout the entire life of the screen.

4 Mesh, No. 12 .105 Wire

THE PERFECT DOUBLE CRIMPED IRON OR STEEL WIRE CLOTH FOR MINING AND OTHER PURPOSES

Steel Wire Cloth

Beginning with this page, tables are shown which give the mesh, number of wire, diameter of wire, size of opening between the wires, and list price per square foot.

This and the following pages refer to steel wire cloth, and practically every grade of steel wire cloth is covered in the tables.

In case the screen you need is not contained in the tables, we shall be glad to supply same according to any specifications, as we are in a position to manufacture any mesh or diameter of wire that can be produced of steel wire.

The illustrations of the various screens on the following pages, while not mathematically exact in every detail, are as accurate representations of the mesh, size of opening and diameter of wire of the different grades, as it is possible to reproduce in print.

In so far as the eye and the table can determine, this will probably be of some assistance to you in arriving at a near conclusion as to what particular screen you can use.

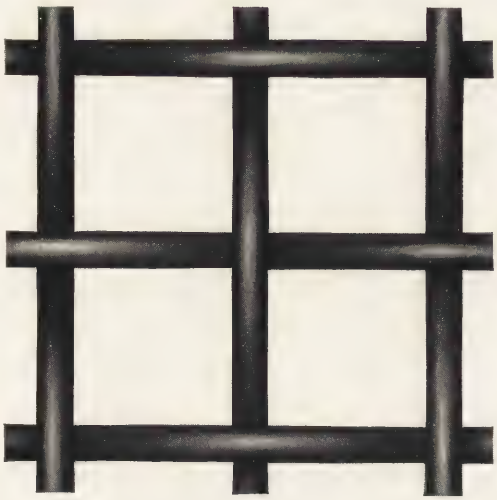
The perfect double crimped steel wire is constructed by machines of the latest invention which produce absolute accuracy. The wires in both warp and shoot are thoroughly and evenly crimped; this makes a perfect mesh that retains its uniformity until the screen is practically worn out.

Iron or Steel Wire Cloth

Number of Meshes per Inch	Number of Wire	Diameter of Wire. Decimal of Inch	Size of Opening. Decimal of Inch	List Price per Square Foot
1	0	.307	.693	$1.40
1	1	.283	.717	1.20
1	2	.263	.737	1.05
1	3	.244	.756	.88
1	4	.225	.775	.73
1	5	.207	.793	.60
1	6	.192	.808	.50
1	7	.177	.823	.44
1	8	.162	.838	.38
1	9	.148	.852	.32
1	10	.135	.865	.28
1	11	.120	.880	.24
1	12	.105	.895	.20
1	13	.092	.908	.15
1	14	.080	.920	.12
1	15	.072	.928	.10
¾	1	.283	.467	1.40
¾	2	.263	.487	1.20
¾	3	.244	.506	1.05
¾	4	.225	.525	.88
¾	5	.207	.543	.73
¾	6	.192	.558	.60
¾	7	.177	.573	.50
¾	8	.162	.588	.42
¾	9	.148	.602	.38
¾	10	.135	.615	.32
¾	11	.120	.630	.27
¾	12	.105	.645	.22
¾	13	.092	.658	.17
¾	14	.080	.670	.14
¾	15	.072	.678	.12
¾	16	.063	.687	.10
⅝	2	.263	.362	1.40
⅝	3	.244	.381	1.20
⅝	4	.225	.400	1.05
⅝	5	.207	.418	.88
⅝	6	.192	.433	.73
⅝	7	.177	.448	.60
⅝	8	.162	.463	.50
⅝	9	.148	.477	.40
⅝	10	.135	.490	.35
⅝	11	.120	.505	.30
⅝	12	.105	.520	.25
⅝	13	.092	.533	.20
⅝	14	.030	.545	.17
⅝	15	.072	.553	.14
⅝	16	.063	.562	.12
⅝	17	.054	.571	.10
⅝	18	.047	.578	.09

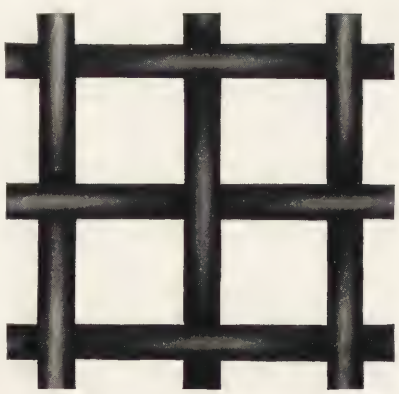
Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.

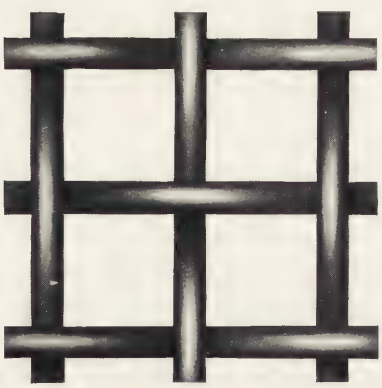


1 Inch Mesh, No. 6 .192 Wire

1 Inch Mesh, No. 10 .135 Wire



¾ Inch Mesh, No. 6 .192 Wire



¾ Inch Mesh, No. 8 .162 Wire

Order Carefully

Be sure and give full information when ordering wire cloth. Don't forget the following:

Number of Rolls,

Number of Pieces,

Length and width of each piece or roll,

Mesh,

Decimal size of wire,

Material from which cloth is to be made.

No order is complete without the above.

The mesh is not sufficient without the size of wire being given also.

As an example, look at the number of 3 meshes in the table; there is a variation of almost 100 per cent in the size of the opening. The size of wire and mesh are absolutely necessary.

A full roll contains 100 lineal feet or more.

Less than 100 lineal feet invoiced at broken roll prices.

Widths carried in stock are:

24, 30, 36, and 48 inches.

Special widths, to the fractional part of an inch, made to order.

In ordering screens, send a small sample of wire cloth with quantity wanted; otherwise be sure to specify width, mesh, diameter of wire and amount of material.

We cannot dispose of specially made screens; therefore be sure your specifications are absolutely correct.

In repeat orders, refer to original order or date of invoice and request that it be duplicated.

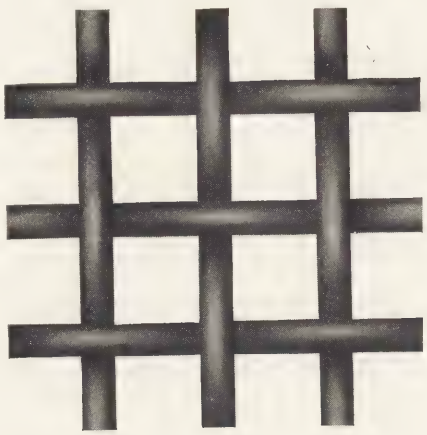
Iron or Steel Wire Cloth

Continued

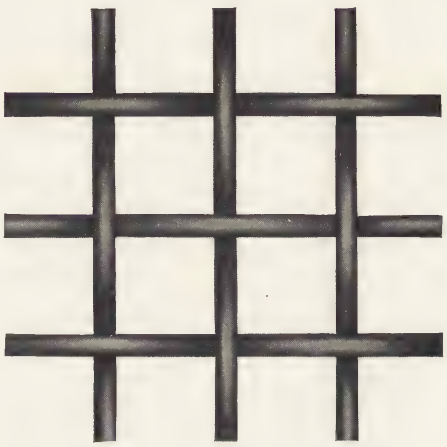
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
2	4	.225	.275	$1.35
2	5	.207	.293	1.10
2	6	.192	.308	.88
2	7	.177	.323	.75
2	8	.162	.338	.60
2	9	.148	.352	.50
2	10	.135	.365	.42
2	11	.120	.380	.35
2	12	.105	.395	.30
2	13	.092	.408	.25
2	14	.080	.420	.20
2	15	.072	.428	.17
2	16	.063	.437	.14
2	17	.054	.446	.12
2	18	.047	.453	.10
2	19	.041	.459	.09
2½	6	.192	.208	1.30
2½	7	.177	.223	.90
2½	8	.162	.238	.72
2½	9	.148	.252	.60
2½	10	.135	.265	.50
2½	11	.120	.280	.42
2½	12	.105	.295	.35
2½	13	.092	.308	.30
2½	14	.080	.320	.25
2½	15	.072	.328	.20
2½	16	.063	.337	.17
2½	17	.054	.346	.14
2½	18	.047	.353	.12
2½	19	.041	.359	.10
2½	20	.035	.365	.09
3	8	.162	.171	1.00
3	9	.148	.185	.75
3	10	.135	.198	.60
3	11	.120	.213	.50
3	12	.105	.228	.40
3	13	.092	.241	.35
3	14	.080	.253	.30
3	15	.072	.261	.25
3	16	.063	.270	.20
3	17	.054	.279	.17
3	18	.047	.286	.14
3	19	.041	.292	.12
3	20	.035	.298	.10
3	21	.032	.301	.09

Specify size of wire in both gauge number and decimal of an inch.

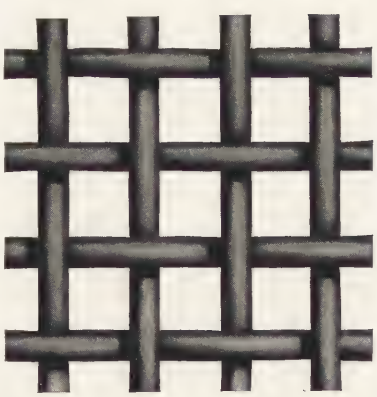
See page 9 for gauge number and equivalents in decimals.



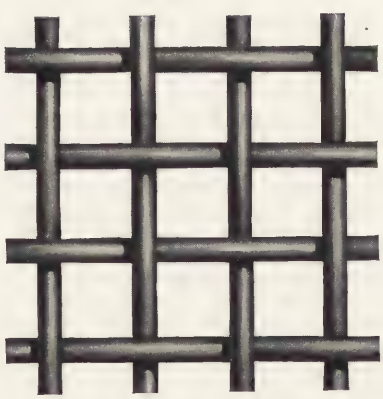
5/8 Inch Mesh, No. 7 .177 Wire



5/8 Inch Mesh, No. 11 .120 Wire



2 Mesh, No. 8 .162 Wire



2 Mesh, No. 10 .135 Wire

Screen Durability

The weaving of wire cloth is in itself largely mechanical, but the selection of the material to be used in the manufacture of wire cloth for any special service is of vital importance and should be given the utmost care and consideration.

The Ludlow-Saylor Company have given much thought and study to this subject, and are constantly experimenting with new and varied kinds of wire with the sole object in view of improving the quality of our products wherever and whenever we find it possible to do so which is the secret of the long life of our screens.

The "Perfect" double crimped cloth is made so that the wires are uniformly crimped both in the warp and shoot and are of the same height throughout.

Therefore there is an even wearing surface in which one wire does not wear out quicker than the other.

This double crimped feature makes both wires perfectly stationary and impossible to shift and causes accuracy in screening until the screen is worn out.

A greater variety of sizes and materials in this style of screen are being constantly added to stock owing to an increasing demand as the new uses to which it can be put manifest themselves.

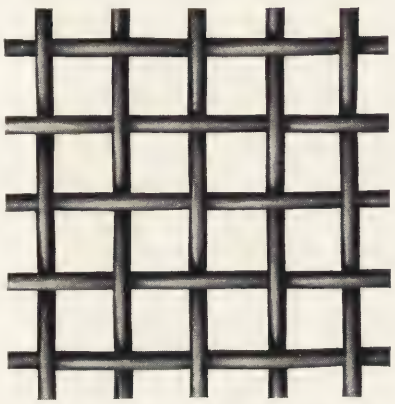
Iron or Steel Wire Cloth

Continued

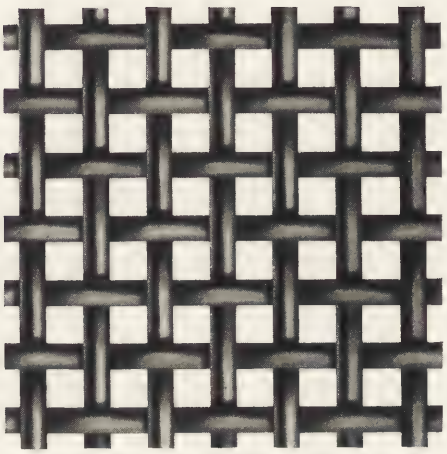
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
3½	9	.148	.138	$1.00
3½	10	.135	.151	.75
3½	11	.120	.166	.65
3½	12	.105	.181	.50
3½	13	.092	.194	.40
3½	14	.080	.206	.35
3½	15	.072	.214	.30
3½	16	.063	.223	.25
3½	17	.054	.232	.20
3½	18	.047	.239	.15
3½	19	.041	.245	.13
3½	20	.035	.251	.11
3½	21	.032	.254	.10
4	10	.135	.115	1.10
4	11	.120	.130	.80
4	12	.105	.145	.60
4	13	.092	.158	.48
4	14	.080	.170	.38
4	15	.072	.178	.32
4	16	.063	.187	.27
4	17	.054	.196	.22
4	18	.047	.203	.17
4	19	.041	.209	.14
4	20	.035	.215	.12
4	21	.032	.218	.11
4	22	.028	.222	.10
4½	11	.120	.102	1.00
4½	12	.105	.117	.73
4½	13	.092	.130	.55
4½	14	.080	.142	.42
4½	15	.072	.150	.35
4½	16	.063	.159	.30
4½	17	.054	.168	.25
4½	18	.047	.175	.20
4½	19	.041	.181	.17
4½	20	.035	.187	.14
4½	21	.032	.190	.12
4½	22	.028	.194	.11
4½	23	.025	.197	.10

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.



2½ Mesh, No. 12 .105 Wire



3 Mesh, No. 10 .135 Wire

3 Mesh, No. 13 .092 Wire

3 Mesh, No. 16 .063 Wire

Size of Opening

By openings, we mean distance between the wires—the open or vacant air spaces. It is possible to have many different screens measuring the same number of meshes to the inch, but each with a different size of opening due to the fact that the wires are of different diameters — the thicker the wires the smaller the spaces between them. The size of the opening is lessened by using heavy wire and increased when lighter wire is used.

Thus, if a 6 mesh screen is made from .080 wire, the opening is .087 inches but if we decrease the diameter of the wire to .023, the opening is thereby increased to .144 inches.

In other words, if the number of openings to the inch is decreased the diameter of the wire must be increased to maintain the same size opening. On the other hand, as the number of openings to the inch increase, the wire diameter must necessarily be decreased to keep the openings the same size.

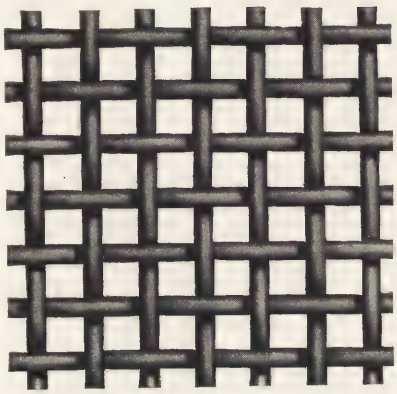
Iron or Steel Wire Cloth

Continued

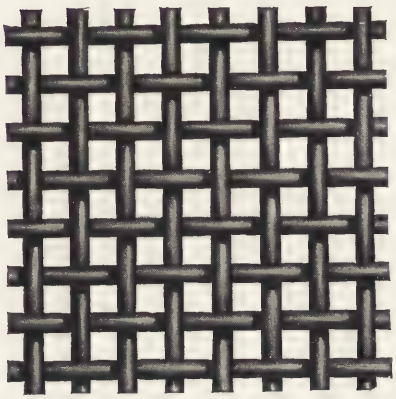
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
5	12	.105	.095	$0.80
5	13	.092	.108	.60
5	14	.080	.120	.48
5	15	.072	.128	.40
5	16	.063	.137	.35
5	17	.054	.146	.30
5	18	.047	.153	.25
5	19	.041	.159	.20
5	20	.035	.165	.17
5	21	.032	.168	.14
5	22	.028	.172	.12
5	23	.025	.175	.10
5	24	.023	.177	.09
6	13	.092	.075	.80
6	14	.080	.087	.60
6	15	.072	.095	.48
6	16	.063	.104	.40
6	17	.054	.113	.35
6	18	.047	.120	.30
6	19	.041	.126	.25
6	20	.035	.132	.22
6	21	.032	.135	.17
6	22	.028	.139	.14
6	23	.025	.142	.12
6	24	.023	.144	.10
6	25	.020	.147	.09
7	14	.080	.063	.80
7	15	.072	.071	.60
7	16	.063	.080	.48
7	17	.054	.089	.40
7	18	.047	.096	.35
7	19	.041	.102	.30
7	20	.035	.108	.25
7	21	.032	.111	.22
7	22	.028	.115	.17
7	23	.025	.118	.14
7	24	.023	.120	.12
7	25	.020	.123	.10
7	26	.018	.125	.09

Specify size of wire in both gauge number and decimal of an inch.

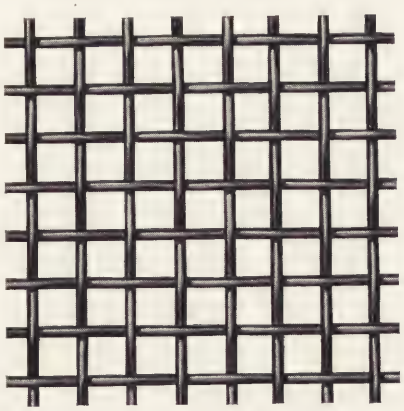
See page 9 for gauge number and equivalents in decimals.



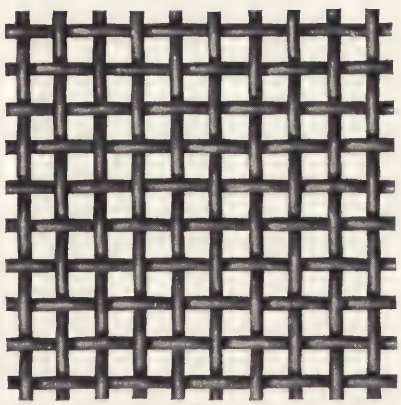
3½ Mesh, No. 2 .105 Wire



4 Mesh, No. 12 .105 Wire



4 Mesh, No. 16 .063 Wire



5 Mesh, No. 14 .080 Wire

Screens for Mining

Owing to the unusual amount of wear and tear to which a mining screen is put, the wire cloth must be of a construction and quality to meet this demand. No screen has been found better for the purpose than the Ludlow-Saylor "Perfect" double crimped wire cloth. This has been proven by actual usage and experience. The "Perfect" screen has withstood the severest tests with most satisfactory results.

This screen will give service until the wire is worn too thin to retain the weight of material being screened. This unusual feature is due to the double crimping which keeps the wires in their original position until worn through.

It is the ideal screen for hard service in mills and mining industries, and for use on jigs, trommels, stamp batteries, Chilians or shaking screens.

The Ludlow-Saylor screen is made of iron, brass, copper, steel or, where acid comes in contact with the screen, a phosphor bronze is recommended.

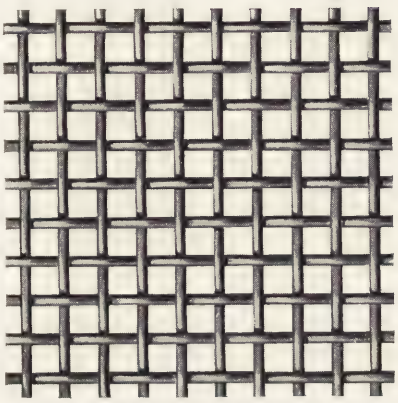
Iron or Steel Wire Cloth

Continued

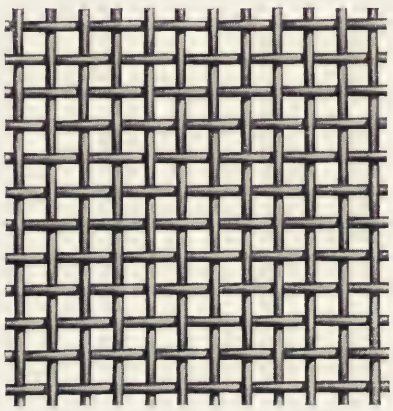
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
8	15	.072	.053	$0.80
8	16	.063	.062	.60
8	17	.054	.071	.48
8	18	.047	.078	.42
8	19	.041	.084	.35
8	20	.035	.090	.30
8	21	.032	.093	.25
8	22	.028	.097	.22
8	23	.025	.100	.17
8	24	.023	.102	.14
8	25	.020	.105	.12
8	26	.018	.107	.10
8	27	.017	.108	.09
9	16	.063	.048	.80
9	17	.054	.057	.60
9	18	.047	.064	.48
9	19	.041	.070	.42
9	20	.035	.076	.35
9	21	.032	.079	.32
9	22	.028	.083	.25
9	23	.025	.086	.22
9	24	.023	.088	.17
9	25	.020	.091	.14
9	26	.018	.093	.12
9	27	.017	.094	.10
9	28	.016	.095	.09
10	17	.054	.046	.72
10	18	.047	.053	.60
10	19	.041	.059	.48
10	20	.035	.065	.40
10	21	.032	.068	.35
10	22	.028	.072	.30
10	23	.025	.075	.25
10	24	.023	.077	.20
10	25	.020	.080	.15
10	26	.018	.082	.12
10	27	.017	.083	.11
10	28	.016	.084	.10
10	29	.015	.085	.09

Specify size of wire in both gauge number and decimal of an inch.

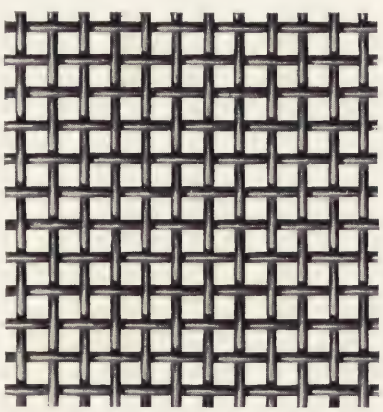
See page 9 for gauge number and equivalents in decimals.



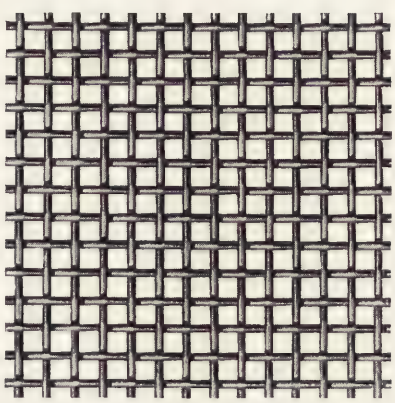
5 Mesh, No. 15 .072 Wire



6 Mesh, No. 16 .063 Wire



6 Mesh, No. 17 .054 Wire



7 Mesh, No. 18 .047 Wire

Quality is Our Slogan

Quality in material, quality in workmanship and quality in the finished product — And quality means efficiency in screens.

The Ludlow-Saylor plant has grown as the demand for its product has increased and this growth is due entirely to the superiority of the Ludlow-Saylor screens.

Experience has proven that the better and higher priced screen is more economical than that screen where first cost only is considered.

A screen must be right to specifications or a loss and unevenness in product will result. The Ludlow-Saylor screens prevent this loss because they are right.

The mesh counts the same both in the warp and the shoot and is made absolutely correct as to gauge specified.

The frequent changing of screens necessitates additional labor; also loss of motion and any loss of motion decreases the output.

The proper way to figure the ultimate cost of the Ludlow-Saylor screens is by the number of tons of ore it will screen before wearing out, compared with the life and producing power of the less expensive screens made by other manufacturers.

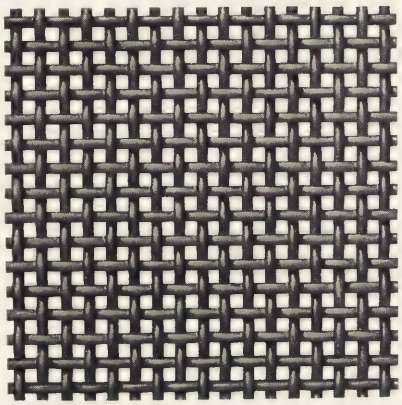
Iron or Steel Wire Cloth

Continued

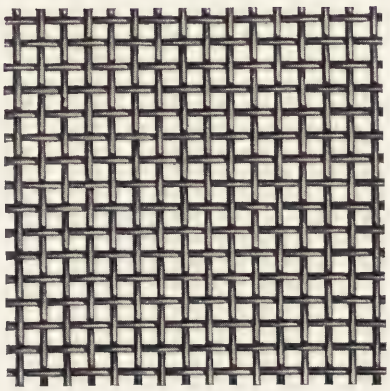
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
12	18	.047	.036	$0.72
12	19	.041	.042	.60
12	20	.035	.048	.48
12	21	.032	.051	.45
12	22	.028	.055	.38
12	23	.025	.058	.30
12	24	.023	.060	.22
12	25	.020	.063	.17
12	26	.018	.065	.15
12	27	.017	.066	.13
12	28	.016	.067	.11
12	29	.015	.068	.10
12	30	.014	.069	.09
14	19	.041	.030	.75
14	20	.035	.036	.60
14	21	.032	.039	.50
14	22	.028	.043	.40
14	23	.025	.046	.35
14	24	.023	.048	.30
14	25	.020	.051	.22
14	26	.018	.053	.17
14	27	.017	.054	.15
14	28	.016	.055	.13
14	29	.015	.056	.12
14	30	.014	.057	.11
14	31	.0132	.0578	.10
14	32	.0128	.0582	.09
14	33	.0118	.0592	.08
14	34	.0104	.0606	.07
16	19	.041	.0215	1.20
16	20	.035	.0275	1.00
16	21	.032	.0305	.80
16	22	.028	.0345	.60
16	23	.025	.0375	.48
16	24	.023	.0395	.38
16	25	.020	.0425	.32
16	26	.018	.0445	.27
16	27	.017	.0455	.20
16	28	.016	.0465	.17
16	29	.015	.0475	.15
16	30	.014	.0485	.13
16	31	.0132	.0493	.12
16	32	.0128	.0497	.11
16	33	.0118	.0507	.10
16	34	.0104	.0521	.09
16	35	.0095	.0530	.08

Specify size of wire in both gauge number and decimal of an inch.

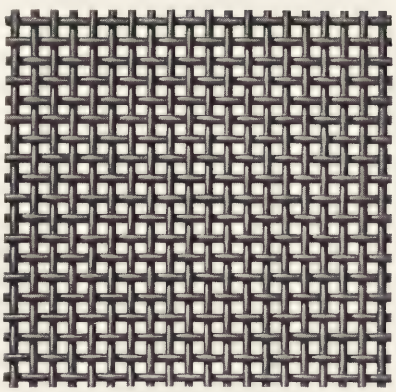
See page 9 for gauge number and equivalents in decimals.



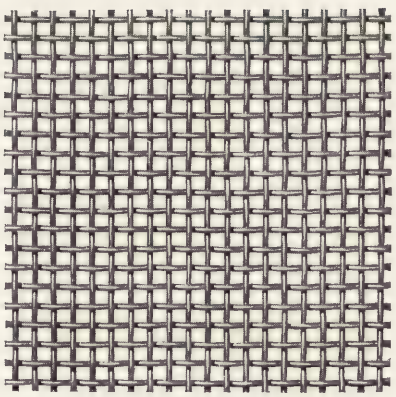
8 Mesh, No. 16 .063 Wire



8 Mesh, No. 18 .041 Wire



10 Mesh, No. 18 .047 Wire



10 Mesh, No. 20 .035 Wire

Wire Cloths to Order

Wire cloths to suit special requirements are not listed in this catalogue but can be made to specifications.

The Ludlow-Saylor Company have made exhaustive experiments during their many years of experience in the manufacture of wire cloth of all kinds, which has put them in position to advise their clients intelligently as to what kind of screen would be most suitable for any special purpose, and that would yield the maximum results at a minimum cost.

There is no charge made by the Ludlow-Saylor Company for any investigation or experiments made by their experts in behalf of their customers, and it is the aim of this company to freely assist its customers in deciding on just what kind of screen will be most suitable for their special requirements.

The object of the company is to serve its clients to their best interests, and where special metals are required, estimates will be furnished as well as on special construction, unusual sizes, dimensions of openings or difference in warp or shoot.

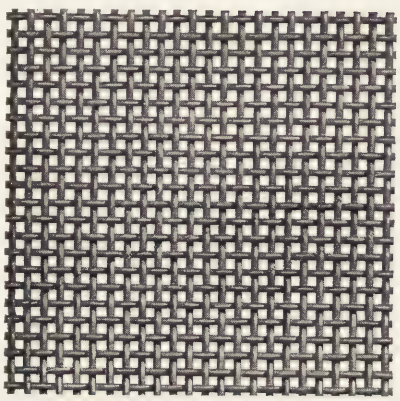
Iron or Steel Wire Cloth

Continued

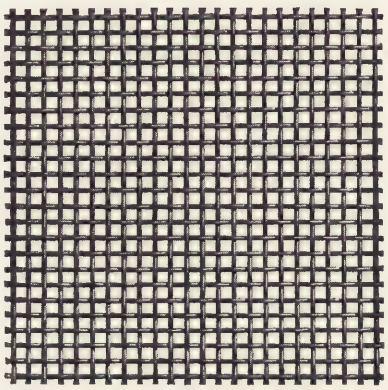
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
18	20	.035	.0206	$1.20
18	21	.032	.0236	1.00
18	22	.028	.0276	.80
18	23	.025	.0306	.60
18	24	.023	.0326	.50
18	25	.020	.0356	.40
18	26	.018	.0376	.32
18	27	.017	.0386	.27
18	28	.016	.0396	.24
18	29	.015	.0406	.22
18	30	.014	.0416	.20
18	31	.0132	.0424	.19
18	32	.0128	.0428	.18
18	33	.0118	.0438	.16
18	34	.0104	.0452	.14
18	35	.0095	.0461	.13
18	36	.0090	.0466	.12
20	22	.028	.0220	1.10
20	23	.025	.0250	.90
20	24	.023	.0270	.65
20	25	.020	.0300	.50
20	26	.018	.0320	.40
20	27	.017	.0330	.35
20	28	.016	.0340	.27
20	29	.015	.0350	.25
20	30	.014	.0360	.23
20	31	.0132	.0368	.21
20	32	.0128	.0372	.20
20	33	.0118	.0382	.19
20	34	.0104	.0396	.18
20	35	.0095	.0405	.17
20	36	.0090	.0410	.16
22	22	.028	.0175	1.40
22	23	.025	.0205	1.20
22	24	.023	.0225	.90
22	25	.020	.0255	.65
22	26	.018	.0275	.50
22	27	.017	.0285	.40
22	28	.016	.0295	.35
22	29	.015	.0305	.30
22	30	.014	.0315	.26
22	31	.0132	.0323	.24
22	32	.0128	.0327	.23
22	33	.0118	.0337	.22
22	34	.0104	.0351	.21
22	35	.0095	.0360	.20
22	36	.0090	.0365	.18

Specify size of wire in both gauge number and decimal of an inch.

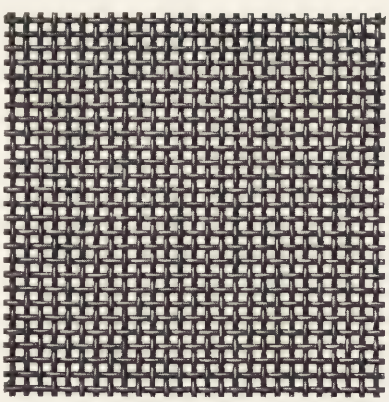
See page 9 for gauge number and equivalents in decimals.



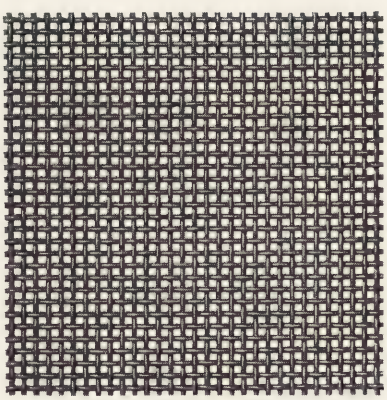
12 Mesh, No. 19 .041 Wire



12 Mesh, No. 21 .032 Wire



14 Mesh, No. 20 .035 Wire



16 Mesh, No. 21 .032 Wire

Greater Production

All business is based on the cost of production.

Therefore in the milling of ores, the screens that will produce the greatest tonnage of product to the desired size per stamp are the most profitable:

That is, provided the screen is accurate and no after treatment is required to produce an even screening.

The Ludlow-Saylor screens are accurate, not only the same number of meshes both ways but the same gauge of wire and same size of openings throughout. This means an even screening and big returns.

Therefore, the Ludlow - Saylor screen is more economical than the perforated metal screen which does not yield an equal tonnage and evenness of product. An uneven product requires an after treatment which adds to the cost of production.

Wherever perforated metal is used, the openings become larger with wear and the screening increases in size. The Ludlow-Saylor screens can be supplied with either square or oblong openings which remain the same throughout the entire life of the screen.

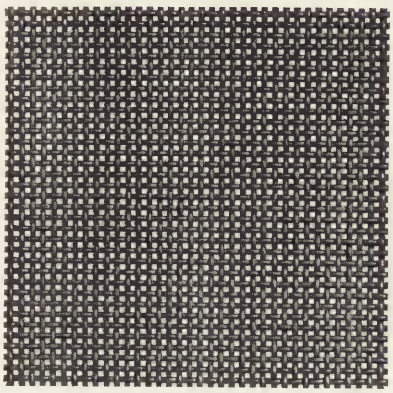
Iron or Steel Wire Cloth

Continued

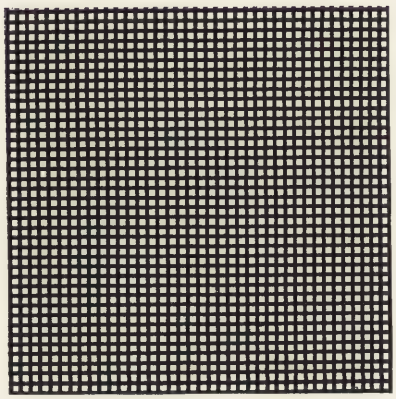
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
24	24	.023	.0187	$1.20
24	25	.020	.0217	.90
24	26	.018	.0237	.65
24	27	.017	.0247	.50
24	28	.016	.0257	.40
24	29	.015	.0267	.35
24	30	.014	.0277	.30
24	31	.0132	.0285	.26
24	32	.0128	.0289	.24
24	33	.0118	.0299	.23
24	34	.0104	.0313	.22
24	35	.0095	.0322	.21
24	36	.0090	.0327	.20
26	26	.018	.0205	.90
26	27	.017	.0215	.65
26	28	.016	.0225	.50
26	29	.015	.0235	.40
26	30	.014	.0245	.35
26	31	.0132	.0253	.30
26	32	.0128	.0257	.26
26	33	.0118	.0267	.24
26	34	.0104	.0281	.23
26	35	.0095	.0290	.22
26	36	.0090	.0295	.21
28	27	.017	.0187	.80
28	28	.016	.0197	.60
28	29	.015	.0207	.50
28	30	.014	.0217	.38
28	31	.0132	.0225	.35
28	32	.0128	.0229	.30
28	33	.0118	.0239	.28
28	34	.0104	.0253	.26
28	35	.0095	.0262	.24
28	36	.0090	.0267	.23
30	27	.017	.0163	.90
30	28	.016	.0173	.66
30	29	.015	.0183	.55
30	30	.014	.0193	.42
30	31	.0132	.0201	.36
30	32	.0128	.0205	.32
30	33	.0118	.0215	.30
30	34	.0104	.0229	.28
30	35	.0095	.0238	.26
30	36	.0090	.0243	.24

Specify size of wire in both gauge number and decimal of an inch.

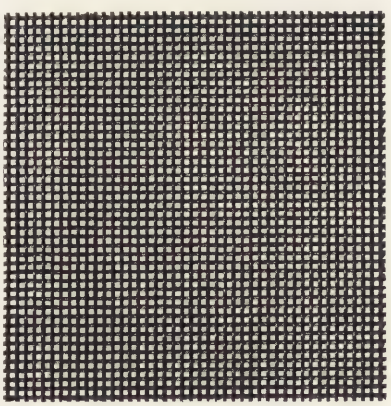
See page 9 for gauge number and equivalents in decimals.



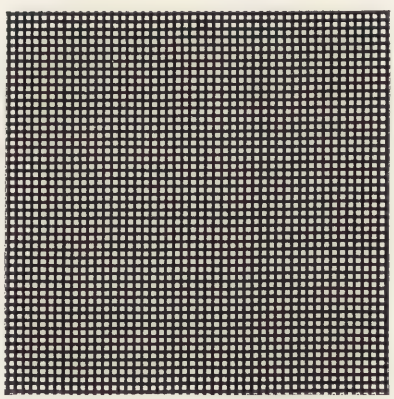
18 Mesh, No. 20 .035 Wire



20 Mesh, No. 23 .025 Wire



22 Mesh, No. 24 .023 Wire



24 Mesh, No. 26 .018 Wire

Cement Screen

The value of Portland Cement is based on its fineness and evenness. Cement of this character has the highest efficiency, and is produced by the Ludlow-Saylor "Perfect" screens.

For this reason cement industries all over the country have installed "Perfect" screens. They give accurate results, and accurate results can only be produced from accurate screens.

By accurate screens is meant not only that the mesh counts the same both ways, but that the wire gauge is exact and that the openings between the wires are the same to the thousandth part of an inch.

There are cheaper screens than The "Perfect" to be had, but the saving on first cost is more than offset by the short life of these lower priced products and by the vexatious delays caused by their uneven wear. In the long run the "Perfect" double crimped screens save the purchaser money, time and trouble.

Cement Screens are kept in stock in all regular widths and sizes of wire for ordinary requirements.

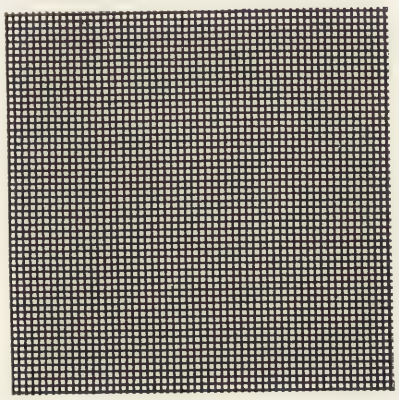
Screens to special specifications made up quickly and accurately.

Iron or Steel Wire Cloth

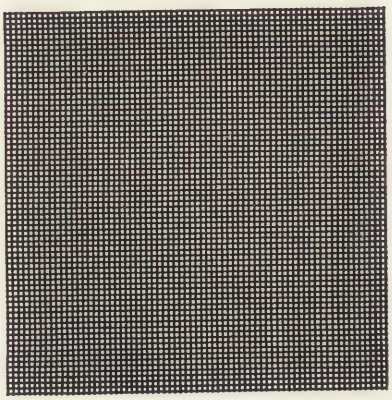
Continued

Number of Meshes per Inch	Number of Wire	Diameter of Wire Decimal of Inch	Size of Opening Decimal of Inch	List Price per Square Foot
32	28	.016	.0153	$0.85
32	29	.015	.0163	.66
32	30	.014	.0173	.55
32	31	.0132	.0181	.45
32	32	.0128	.0185	.40
32	33	.0118	.0195	.35
32	34	.0104	.0209	.30
32	35	.0095	.0218	.28
32	36	.0090	.0223	.26
35	28	.016	.0126	1.25
35	29	.015	.0136	1.00
35	30	.014	.0146	.65
35	31	.0132	.0154	.55
35	32	.0128	.0158	.45
35	33	.0118	.0168	.40
35	34	.0104	.0182	.36
35	35	.0095	.0191	.32
35	36	.0090	.0196	.30
38	30	.014	.0123	1.00
38	31	.0132	.0131	.75
38	32	.0128	.0135	.70
38	33	.0118	.0145	.60
38	34	.0104	.0159	.40
38	35	.0095	.0168	.36
38	36	.0090	.0173	.32
40	31	.0132	.0118	.95
40	32	.0128	.0122	.75
40	33	.0118	.0132	.50
40	34	.0104	.0146	.45
40	35	.0095	.0155	.40
40	36	.0090	.0160	.38
40	37	.0085	.0165	.35
42	31	.0132	.0106	1.25
42	32	.0128	.0110	1.00
42	33	.0118	.0120	.90
42	34	.0104	.0134	.70
42	35	.0095	.0143	.45
42	36	.0090	.0148	.40

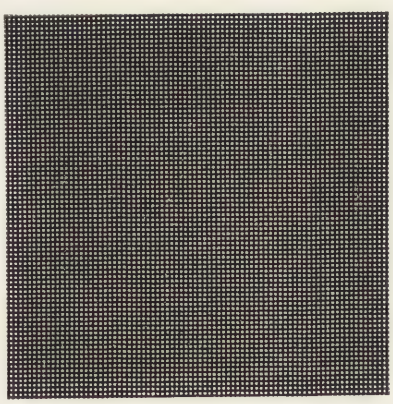
Specify size of wire in both gauge number and decimal of an inch.
See page 9 for gauge number and equivalents in decimals.



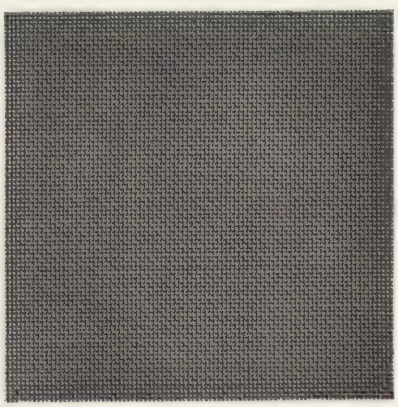
28 Mesh, No. 28 .016 Wire



35 Mesh, No. 29 .015 Wire



40 Mesh, No. 31 .0132 Wire



45 Mesh, No. 33 .0118 Wire

Special Wire

In addition to the regular grades of Steel, Brass, Copper and Bronze Wire Cloth listed in this Catalogue, The Ludlow-Saylor Company is prepared to fill any specifications for wire cloth from any of the metals in commercial use such as Monel, Nickel, Aluminum and American Ingot Iron.

Monel Metal is a white alloy, a natural combination of 67% nickel, 28% copper and 5% other metals, chiefly iron and manganese. It is strong as steel and withstands acids, alkalies and high temperatures, and is used largely in the manufacture of filter cloth.

Nickel Wire is about 99% pure Nickel and will resist the corrosive action of most acids with the exception of Nitric acid. It can be used to the best advantage where screens are subjected to the influence of hot gasses or high temperatures.

Aluminum wire has a tensile strength of from 20 to 35,000 lbs. per square inch. Its weight is about one-third that of copper, brass or iron. Its lightness and resistance to corrosion are its outstanding features.

American Ingot Iron is the purest commercial iron obtainable and its rust-resisting properties are far superior to the ordinary iron or steel wires.

Iron or Steel Wire Cloth

Continued

Number of Meshes per Inch	Number of Wire	Diameter of Wire Decimal of Inch	Size of Opening Decimal of Inch	List Price per Square Foot
45	32	.0128	.0094	$1.30
45	33	.0118	.0104	1.10
45	34	.0104	.0118	.65
45	35	.0095	.0127	.55
45	36	.0090	.0132	.50
45	37	.0085	.0137	.45
50	34	.0104	.0096	1.25
50	35	.0095	.0105	.70
50	36	.0090	.0110	.60
50	37	.0085	.0115	.55
50	38	.0080	.0120	.50
55	35	.0095	.0087	1.20
55	36	.0090	.0092	.85
55	37	.0085	.0097	.75
55	38	.0080	.0102	.70
60	35	.0095	.0072	1.50
60	36	.0090	.0077	1.40
60	37	.0085	.0082	1.30
60	38	.0080	.0087	1.20
60	39	.0075	.0092	.90
64	37	.0085	.0071	1.40
64	38	.0080	.0076	1.30
64	39	.0075	.0081	1.20
70	37	.0085	.0058	1.50
70	38	.0080	.0063	1.40
70	39	.0075	.0068	1.30
74	39	.0075	.0060	1.40
74	40	.0070	.0065	1.30
80	40	.0070	.0055	1.40
80	41	.0066	.0059	1.30
90	42	.0062	.0049	1.50

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.

Table Showing the Decimal Opening of All Grades Steel, Brass, Copper or Bronze Wire Cloth from One Inch to One Hundred Mesh, With Equivalent in Millimeters.

Decimal	M/M	Decimal	M/M	Decimal	M/M	Decimal	M/M	Decimal	M/M	Decimal	M/M
.0049	.124	.0180	.457	.0320	.813	.060	1.524	.150	3.810	.352	8.941
.0055	.140	.0181	.460	.0322	.818	.0606	1.539	.151	3.835	.353	8.966
.0056	.142	.0182	.462	.0323	.820	.062	1.575	.153	3.886	.359	9.119
.0058	.147	.0183	.465	.0326	.828	.063	1.600	.158	4.013	.362	9.195
.0059	.150	.0185	.470	.0327	.831	.064	1.626	.159	4.039	.365	9.271
.0060	.152	.0187	.475	.0330	.838	.065	1.651	.165	4.191	.380	9.652
.0063	.160	.0191	.485	.0332	.843	.066	1.676	.166	4.216	.381	9.677
.0065	.165	.0193	.490	.0337	.856	.067	1.702	.168	4.267	.395	10.033
.0068	.173	.0195	.495	.0340	.864	.068	1.727	.170	4.318	.400	10.160
.0070	.178	.0196	.498	.0342	.869	.069	1.753	.171	4.343	.408	10.363
.0071	.180	.0197	.500	.0345	.876	.070	1.778	.172	4.369	.418	10.617
.0072	.183	.0201	.511	.0350	.889	.071	1.803	.175	4.445	.420	10.668
.0073	.185	.0205	.521	.0351	.892	.072	1.829	.177	4.496	.428	10.871
.0076	.193	.0206	.523	.0356	.904	.075	1.905	.178	4.521	.433	10.998
.0077	.196	.0207	.526	.036	.914	.076	1.930	.181	4.597	.437	11.100
.0081	.206	.0209	.531	.0365	.927	.077	1.956	.185	4.699	.446	11.328
.0082	.208	.0211	.536	.0368	.935	.078	1.981	.187	4.750	.448	11.379
.0087	.221	.0215	.546	.0372	.945	.079	2.007	.190	4.826	.453	11.506
.0092	.234	.0217	.551	.0375	.953	.080	2.032	.194	4.928	.459	11.659
.0094	.239	.0218	.554	.0376	.955	.082	2.083	.196	4.978	.463	11.760
.0096	.244	.0220	.559	.0382	.970	.083	2.108	.197	5.004	.467	11.862
.0097	.246	.0223	.566	.0386	.980	.084	2.134	.198	5.029	.477	12.116
.0102	.259	.0225	.572	.039	.991	.085	2.159	.203	5.156	.487	12.370
.0104	.264	.0228	.579	.0395	1.003	.086	2.184	.206	5.232	.490	12.446
.0105	.267	.0229	.582	.0396	1.006	.087	2.210	.208	5.283	.505	12.827
.0106	.269	.0233	.592	.0405	1.029	.088	2.235	.209	5.309	.506	12.852
.0107	.272	.0235	.597	.0406	1.031	.089	2.261	.213	5.410	.520	13.208
.0110	.279	.0236	.599	.0410	1.041	.090	2.286	.214	5.436	.525	13.335
.0115	.292	.0237	.602	.0416	1.057	.091	2.311	.215	5.461	.533	13.538
.0118	.300	.0238	.605	.042	1.067	.093	2.362	.218	5.537	.543	13.792
.0120	.305	.0239	.607	.0424	1.077	.094	2.388	.222	5.639	.545	13.843
.0122	.310	.0243	.617	.0425	1.080	.095	2.413	.223	5.664	.553	14.046
.0123	.312	.0245	.622	.0428	1.087	.096	2.438	.228	5.791	.558	14.173
.0125	.318	.0247	.627	.043	1.092	.097	2.464	.232	5.893	.562	14.275
.0126	.320	.0248	.630	.0438	1.113	.100	2.540	.238	6.045	.571	14.503
.0127	.323	.0250	.635	.0445	1.130	.102	2.591	.239	6.071	.573	14.554
.0131	.333	.0253	.643	.0452	1.148	.104	2.642	.241	6.121	.578	14.681
.0132	.335	.0255	.648	.0455	1.156	.105	2.667	.245	6.223	.588	14.935
.0134	.340	.0257	.653	.046	1.168	.107	2.718	.251	6.375	.602	15.291
.0135	.343	.0258	.655	.0461	1.171	.108	2.743	.252	6.401	.615	15.621
.0136	.345	.0262	.665	.0465	1.181	.111	2.819	.253	6.426	.630	16.002
.0137	.348	.0267	.678	.0466	1.184	.113	2.870	.254	6.452	.645	16.383
.0142	.361	.0270	.686	.0475	1.207	.115	2.921	.261	6.629	.658	16.713
.0143	.363	.0272	.691	.048	1.219	.117	2.972	.265	6.731	.670	17.018
.0145	.368	.0275	.699	.0485	1.232	.118	2.997	.270	6.858	.678	17.221
.0146	.371	.0276	.701	.0493	1.252	.120	3.048	.275	6.985	.687	17.450
.0147	.373	.0277	.704	.0497	1.262	.123	3.124	.279	7.087	.693	17.602
.0148	.376	.0281	.714	.0507	1.288	.125	3.175	.280	7.112	.696	17.678
.0153	.389	.0282	.716	.051	1.295	.126	3.200	.286	7.264	.717	18.212
.0154	.391	.0285	.724	.0521	1.323	.128	3.251	.292	7.417	.737	18.720
.0155	.394	.0289	.734	.053	1.346	.130	3.302	.293	7.442	.756	19.202
.0158	.401	.0290	.737	.054	1.372	.132	3.353	.295	7.493	.775	19.685
.0159	.404	.0295	.749	.055	1.397	.135	3.429	.298	7.569	.793	20.142
.0160	.406	.0299	.759	.056	1.422	.137	3.480	.301	7.645	.808	20.523
.0163	.414	.030	.762	.057	1.448	.138	3.505	.308	7.823	.823	20.904
.0165	.419	.0305	.775	.0578	1.468	.139	3.531	.320	8.128	.838	21.285
.0168	.427	.0306	.777	.058	1.473	.142	3.607	.323	8.204	.852	21.641
.0170	.432	.0310	.787	.0582	1.478	.144	3.658	.328	8.331	.865	21.971
.0173	.439	.0313	.795	.059	1.499	.145	3.683	.337	8.560	.880	22.352
.0175	.445	.0315	.800	.0592	1.504	.146	3.708	.338	8.585	.895	22.733
.0177	.450					.147	3.734	.346	8.788	.908	23.063
										.920	23.368
										.928	23.571
										.937	23.800

Rolled Square Mesh Screens

It was formerly necessary, in order to get a perfectly flat screening surface, to use perforated sheet metal. Naturally, the holes weakened the sheet and, if punched very close, the life of the screen was of short duration.

Nowadays, this type of screen is fast becoming obsolete as it will not do the work as quickly or as accurately as the rolled wire screen. The Ludlow-Saylor double crimped rolled cloth has an efficiency of from 10 to 50 per cent greater than that of the perforated sheet metal, because of the greater area of open space. In addition to doing work faster the rolled cloth will yield a uniform size of product throughout its entire existence; whereas, with the perforated sheets, the product gradually becomes coarser and more uneven as the holes wear larger and larger.

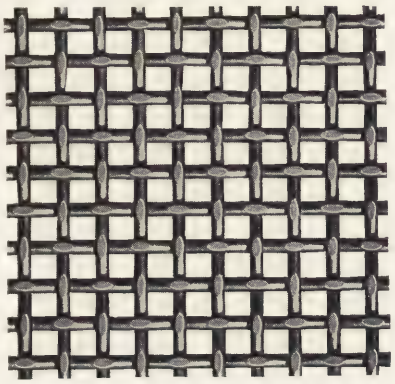
Rolled Brass Screens

The "Perfect" double crimped rolled wire cloth is particularly desirable wherever a flat surface is advantageous in screening or where a coarse mesh is necessary to support a finer one.

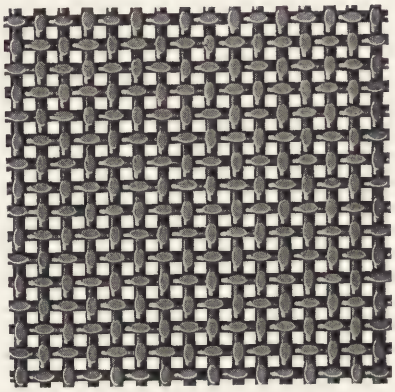
This rolled wire cloth can be furnished in any metal, cut in pieces of the exact size to fit the frames.

Rolled cloth, having the same sized screen as perforated metal, possesses a much larger discharging area and hence produces a greater output. Then, too, the drawing process imparts a hard, smooth finish to the wire that will not wear away or become rough.

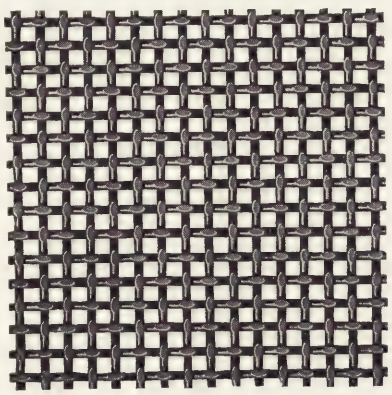
Illustrations of Rolled Square Mesh



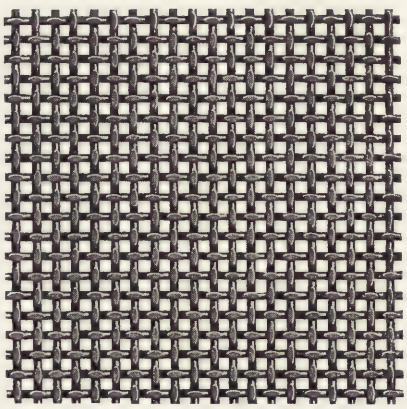
5 Mesh, No. 15 .072 Wire



8 Mesh, No. 16 .063 Wire



8 Mesh, No. 18 .047 Wire



10 Mesh, No. 19 .041 Wire

Galvanized Wire Screen

In order to be sure the coating is thorough and perfect, the Ludlow-Saylor Company operate their own galvanizing plant in making the "Perfect" galvanized wire cloth.

Galvanized-before-woven cloth is made from the best grade of galvanized wire, is specially adapted for many purposes, and can be supplied in all the different meshes and sizes of wire shown in our price list of steel wire cloth up to and including thirty mesh.

Our galvanized-after-woven cloth is made from the best steel wire, which is uniformly crimped both ways; it is then thoroughly coated with pure spelter, which solders each joint and makes the cloth rigid and rust-proof.

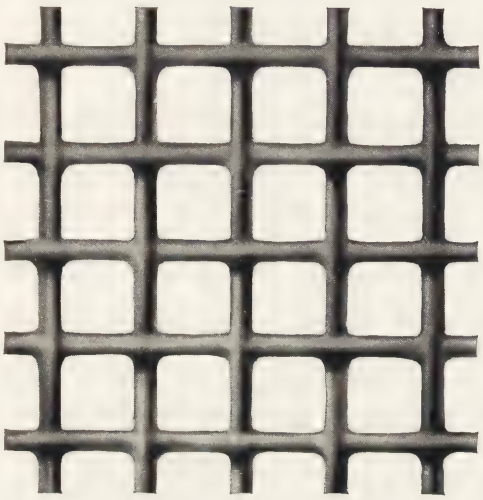
We are prepared to galvanize cloth after it is woven in all meshes up to and including 8 mesh, and in all widths up to and including 48 inch.

Anything finer than 8 mesh must be woven from galvanized wire, as it cannot be put through the spelter bath without the openings becoming clogged.

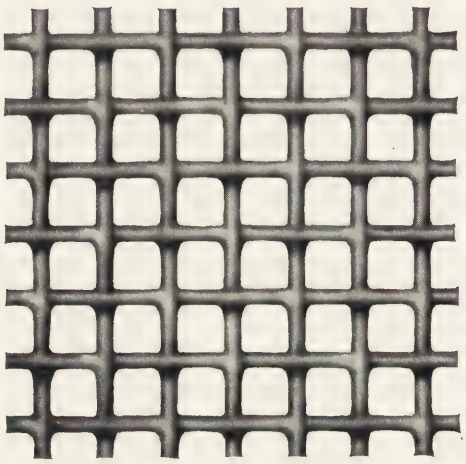
Where dampness is prevalent or there is any danger of rusting, galvanized cloth should be used in preference to the steel or iron cloth.

When coarse meshed screens are made from light wire, it is better to galvanize the cloth after weaving, thereby holding the wires more firmly in position.

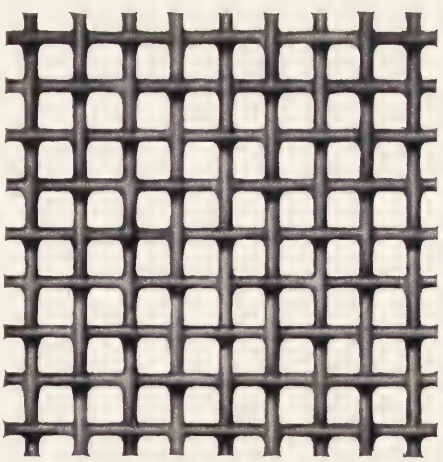
Examples of Wire Cloth, Galvanized After it has been Woven



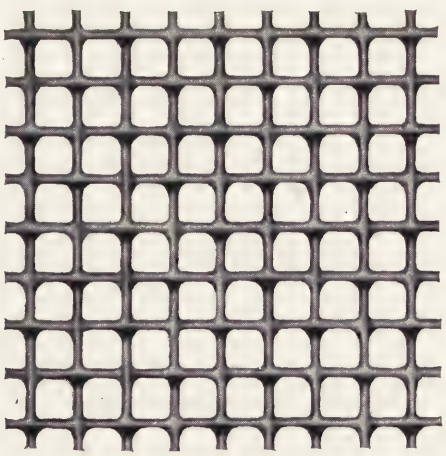
2 Mesh, No. 12 .105 Wire



3 Mesh, No. 14 .080 Wire



4 Mesh, No. 16 .063 Wire



4 Mesh, No. 18 .047 Wire

THE PERFECT DOUBLE CRIMPED HEAVY WIRE SCREEN FOR COAL, GRAVEL OR SAND

Coarse Steel Screens

Kindly note that these tables are laid out to different specifications: As these screens are composed of heavy wires and large openings the tables are for space or distance between wires, and not the number of openings per lineal inch.

The tables show the size of opening, number of wire, diameter of wire and list price per square foot in heavy coarse steel screens from 3/16 inch opening to 4 inches.

These heavy screens are supplied in sections of exact length and width to which there is no limit, except as to convenient size for handling and shipping.

If so desired, screens can be rolled to any diameter for trommel or revolving screens.

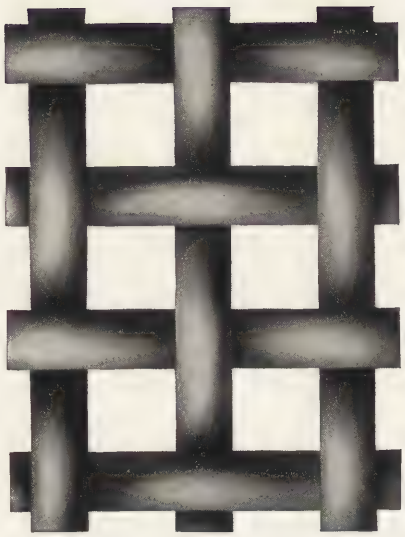
No better screens are made than the Ludlow-Saylor screens for grading coal, crushed rock, stone, sand and gravel into various marketable sizes. It is the screen in general use in mining districts on trommel screens. It works with better results than the perforated steel plate, and owing to quality of special material and construction will outwear any screen made.

The Perfect Double Crimped Heavy Wire Screen, Iron or Steel

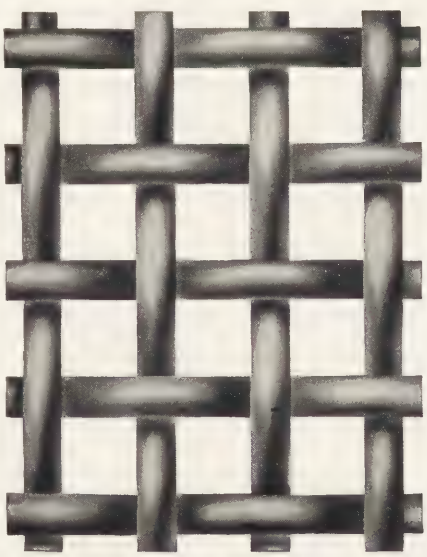
Opening or Space	Number of Wire	Diameter of Rod or Wire	List Price per Square Foot
4 Inch	...	1 Inch	$1.50
4 "	.	3/4 "	1.25
4 "	...	11/16 "	1.00
4 "	...	5/8 "	.90
4 "	..	9/16 "	.70
4 "	...	1/2 "	.60
4 "	...	7/16 "	.55
4 "	3–0	3/8 "	.50
3¾ "	...	1 "	1.60
3¾ "	.	3/4 "	1.30
3¾ "	..	11/16 "	1.05
3¾ "	...	5/8 "	.95
3¾ "	...	9/16 "	.75
3¾ "	...	1/2 "	.65
3¾ "	...	7/16 "	.60
3¾ "	3–0	3/8 "	.50
3¾ "	0	5/16 "	.36
3½ "	...	1 "	1.65
3½ "	.	3/4 "	1.35
3½ "	...	11/16 "	1.10
3½ "	...	5/8 "	1.00
3½ "	..	9/16 "	.80
3½ "	...	1/2 "	.70
3½ "	...	7/16 "	.60
3½ "	3–0	3/8 "	.55
3½ "	0	5/16 "	.38
3¼ "	..	1 "	1.75
3¼ "	...	3/4 "	1.45
3¼ "	...	11/16 "	1.20
3¼ "	...	5/8 "	1.05
3¼ "	...	9/16 "	.90
3¼ "	...	1/2 "	.75
3¼ "	...	7/16 "	.70
3¼ "	3–0	3/8 "	.55
3¼ "	0	5/16 "	.40
3 "	...	1 "	1.85
3 "	...	3/4 "	1.55
3 "	...	11/16 "	1.30
3 "	...	5/8 "	1.10
3 "	...	9/16 "	.95
3 "	...	1/2 "	.85
3 "	...	7/16 "	.70
3 "	3–0	3/8 "	.60
3 "	0	5/16 "	.45
3 "	3	1/4 "	.35

Specify size of wire in both gauge number and decimal of an inch.

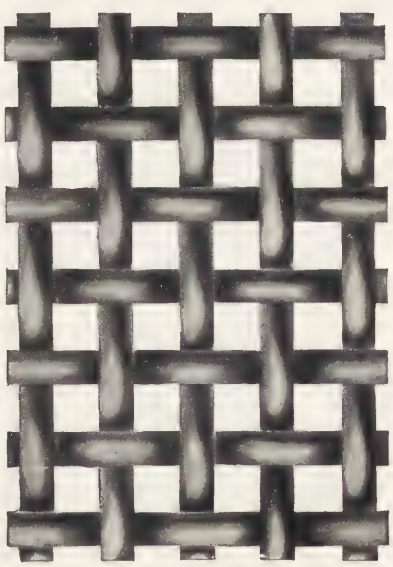
See page 9 for gauge number and equivalents in decimals.



$\frac{7}{16}$ Inch Space, $\frac{5}{16}$ Inch Wire, .307



$\frac{3}{8}$ Inch Space, No. 6 .192 Wire



$\frac{1}{4}$ Inch Space, No. 8 .162 Wire

"The Perfect" Steel Rice Wire Cloth

Our Rice Wire Cloth is made of special material, is accurate in mesh, the wires are uniformly crimped both ways, giving the cloth a smooth even surface, and, for durability, will be found superior to anything in the market.

The following is a list of the standard sizes:

2½	x	6	Mesh No.	19
2½	x	7	" "	19
3	x	6	" "	18
3	x	7	" "	18
3	x	7	" "	19
3	x	9	" "	19
3½	x	8	" "	19
3½	x	9	" "	19
4	x	8	" "	19
8	x	8	" "	19
9	x	9	" "	22
10	x	10	" "	21
10	x	10	" "	22
10	x	12	" "	19—20
10	x	12	" "	22
11	x	11	" "	21
11	x	12	" "	20
12	x	12	" "	21
12	x	14	" "	19—20
12	x	15	" "	19—20
13	x	13	" "	22
14	x	14	" "	19—20
14	x	14	" "	20
14	x	14	" "	22
15	x	15	" "	23

We will be pleased to quote prices on receipt of specifications.

The Perfect Double Crimped Heavy Wire Screen, Iron or Steel

Continued

Opening or Space	Number of Wire	Diameter of Rod or Wire	List Price per Square Foot
2¾ Inch	. . .	1 Inch	$2.00
2¾ "	. . .	¾ "	1.65
2¾ "	. . .	11/16 "	1.50
2¾ "	. . .	⅝ "	1.25
2¾ "	. . .	9/16 "	1.00
2¾ "	. . .	½ "	.90
2¾ "	. . .	7/16 "	.80
2¾ "	3—0	⅜ "	.65
2¾ "	0	5/16 "	.50
2¾ "	3	¼ "	.38
2½ "	. . .	1 "	2.10
2½ "	. . .	¾ "	1.75
2½ "	. . .	11/16 "	1.50
2½ "	. . .	⅝ "	1.30
2½ "	. . .	9/16 "	1.15
2½ "	. . .	½ "	1.00
2½ "	. . .	7/16 "	.85
2½ "	3—0	⅜ "	.75
2½ "	0	5/16 "	.55
2½ "	3	¼ "	.40
2½ "	4	.225	.38
2¼ "	. . .	1 Inch	2.15
2¼ "	. . .	¾ "	1.85
2¼ "	. . .	11/16 "	1.65
2¼ "	. . .	⅝ "	1.40
2¼ "	. . .	9/16 "	1.25
2¼ "	. . .	½ "	1.10
2¼ "	. . .	7/16 "	.95
2¼ "	3—0	⅜ "	.80
2¼ "	0	5/16 "	.65
2¼ "	3	¼ "	.50
2¼ "	4	.225	.40
2¼ "	5	.207	.38
2 "	. . .	1 Inch	2.50
2 "	. . .	¾ "	2.15
2 "	. . .	11/16 "	1.85
2 "	. . .	⅝ "	1.50
2 "	. . .	9/16 "	1.35
2 "	. . .	½ "	1.15
2 "	. . .	7/16 "	1.00
2 "	3—0	⅜ "	.90
2 "	0	5/16 "	.70
2 "	3	¼ "	.55
2 "	4	.225	.45
2 "	5	.207	.40
2 "	6	.192	.38

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.

"The Perfect" Wire Lathing

This material is steel Wire Cloth 2½ meshes per inch, and is used in place of wood lath for plastering purposes. The mortar passes freely through the meshes forming a solid coating on both sides of the fabric, making it practically fire and water-proof.

For fine buildings, or ceilings which are to be decorated, this is the cheapest and best material for the purpose, and its use is becoming general for both public and private buildings.

It is made both plain and galvanized, the standard size being 2½ mesh made of No. 20 wire which is carried in stock 24—30—36—42 and 48 inches wide in rolls of 100 lineal feet or more.

We also make the following sizes:

2½ x 2½ Mesh No. 17 wire
2½ x 2½ " No. 18 "
2½ x 2½ " No. 19 "

Our galvanized wire lathing is galvanized after it is woven, which makes it very strong and thoroughly rust-proof.

We will be pleased to quote prices on receipt of specifications.

The Perfect Double Crimped Heavy Wire Screen, Iron or Steel

Continued

Opening or Space	Number of Wire	Diameter of Rod or Wire	List Price per Square Foot
1¾ Inch	. . .	1 Inch	$2.75
1¾ "	. . .	¾ "	2.40
1¾ "	. . .	11/16 "	2.00
1¾ "	. . .	⅝ "	1.65
1¾ "	. . .	9/16 "	1.50
1¾ "	. . .	½ "	1.25
1¾ "	. . .	7/16 "	1.05
1¾ "	3–0	⅜ "	.95
1¾ "	0	5/16 "	.75
1¾ "	3	¼ "	.60
1¾ "	4	.225	.48
1¾ "	5	.207	.42
1¾ "	6	.192	.38
1½ "	. . .	1 Inch	3.00
1½ "	. . .	¾ "	2.65
1½ "	. . .	11/16 "	2.15
1½ "	. . .	⅝ "	1.80
1½ "	. . .	9/16 "	1.60
1½ "	. . .	½ "	1.40
1½ "	. . .	7/16 "	1.15
1½ "	3–0	⅜ "	1.00
1½ "	0	5/16 "	.80
1½ "	3	¼ "	.65
1½ "	4	.225	.50
1½ "	5	.207	.45
1½ "	6	.192	.40
1½ "	7	.177	.35
1¼ "	. . .	¾ Inch	3.15
1¼ "	. . .	11/16 "	2.50
1¼ "	. . .	⅝ "	2.00
1¼ "	. . .	9/16 "	1.70
1¼ "	. . .	½ "	1.50
1¼ "	. . .	7/16 "	1.35
1¼ "	3–0	⅜ "	1.15
1¼ "	0	5/16 "	.90
1¼ "	3	¼ "	.70
1¼ "	4	.225	.55
1¼ "	5	.207	.48
1¼ "	6	.192	.42
1¼ "	7	.177	.38
1 "	. . .	¾ Inch	3.75
1 "	. . .	11/16 "	3.00
1 "	. . .	⅝ "	2.35
1 "	. . .	9/16 "	1.85
1 "	. . .	½ "	1.55
1 "	. . .	7/16 "	1.40
1 "	3–0	⅜ "	1.25
1 "	0	5/16 "	1.00
1 "	3	¼ "	.75
1 "	4	.225	.60
1 "	5	.207	.50
1 "	6	.192	.45
1 "	7	.177	.40
1 "	8	.162	.35

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.

For Coal, Gravel or Sand

When ordering screens with large openings and heavy wires, specify the size of the opening and wire, as "½ inch opening," "3/16 inch wire," or specify wire in decimals, as "⅜ inch opening, .135 wire."

Because the screens are larger, they are made none the less accurate, both in mesh and wire gauge. The double crimping holds the wires in the original position securely during the entire life of the screen.

As the wear is on the surface of the rods, the screen will screen accurately until worn through and too weak to hold the weight of the material being sized.

This is one of many reasons why the double crimped screen is superior to the perforated metal.

The Standard Sizes for Screening Coal are as follows:

Space	Number of Wire	Diameter Rod or Wire
3 inch	....	½ inch
2½ "	3-0	⅜ "
2¼ "	3-0	⅜ "
2 "	0	5/16 "
1¾ "	0	5/16 "
1½ "	3	¼ "
1¼ "	3	¼ "
1 "	4	.225
¾ "	6	.192
⅝ "	8	.162
½ "	9	.148
⅜ "	10	.135
¼ "	11	.120

The Perfect Double Crimped Heavy Wire Screen, Iron or Steel

Continued

Opening or Space	Number of Wire	Diameter of Rod or Wire	List Price per Square Foot
⅞ Inch	. . .	⅝ Inch	$2.75
⅞ "	. . .	9/16 "	2.20
⅞ "	. . .	½ "	1.75
⅞ "	. . .	7/16 "	1.50
⅞ "	3-0	⅜ "	1.35
⅞ "	0	5/16 "	1.10
⅞ "	3	¼ "	.80
⅞ "	4	.225	.70
⅞ "	5	.207	.55
⅞ "	6	.192	.50
⅞ "	7	.177	.45
⅞ "	8	.162	.40
¾ "	. . .	⅝ Inch	3.25
¾ "	. . .	9/16 "	2.60
¾ "	. . .	½ "	2.00
¾ "	. . .	7/16 "	1.65
¾ "	3-0	⅜ "	1.45
¾ "	0	5/16 "	1.20
¾ "	3	¼ "	.90
¾ "	4	.225	.75
¾ "	5	.207	.65
¾ "	6	.192	.55
¾ "	7	.177	.48
¾ "	8	.162	.42
¾ "	9	.148	.38
⅝ "	. . .	9/16 Inch	3.00
⅝ "	. . .	½ "	2.50
⅝ "	. . .	7/16 "	2.00
⅝ "	3-0	⅜ "	1.65
⅝ "	0	5/16 "	1.40
⅝ "	3	¼ "	1.10
⅝ "	4	.225	.90
⅝ "	5	.207	.75
⅝ "	6	.192	.60
⅝ "	7	.177	.50
⅝ "	8	.162	.44
⅝ "	9	.148	.40
⅝ "	10	.135	.33
½ "	. . .	7/16 Inch	2.50
½ "	3-0	⅜ "	2.00
½ "	0	5/16 "	1.60
½ "	3	¼ "	1.20
½ "	4	.225	.95
½ "	5	.207	.80
½ "	6	.192	.68
½ "	7	.177	.60
½ "	8	.162	.48
½ "	9	.148	.42
½ "	10	.135	.35
½ "	11	.120	.32
½ "	12	.105	.28

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.

"The Perfect" Fanning Mill Wire Cloth

The Ludlow-Saylor Wire Company are manufacturers of every grade of cloth for use in fanning mills, and their mechanical devices for weaving these goods are unexcelled.

A special grade of wire is used in constructing these screens, the meshes are accurate and uniform throughout and the surface is smooth, insuring the greatest possible screening capacity.

The ordinary widths are 18 to 36 inches, and the meshes mostly in demand for cleaning seed are as follows:

For Wheat..... .4x5, 4x4 or 5x5
" Corn and Oats. 3/4 x 1/4 or 2x2
" Rye 3x3
" Cockle.....7x7, 8x8 or 9x9
" Peas.....2x4 or 2x5
" Clover.....13x13 or 14x14
" Timothy...16x16, 18x18 or 20x20
" Cheat or Chess. 2x9, 10 or 12, or 3x10, 11 or 12
" Flax.....4x13, 4x14 or 4x16
Other meshes made to order.

We will be pleased to send samples and quote special prices on large quantities on receipt of specifications.

The Perfect Double Crimped Heavy Wire Screens, Iron or Steel

Continued

Opening or Space	Number of Wire	Diameter of Rod or Wire	List Price per Square Foot
7/16 Inch	0	5/16 Inch	$1.75
7/16 "	1	9/32 "	1.65
7/16 "	2	17/64 "	1.50
7/16 "	3	1/4 "	1.40
7/16 "	4	.225	1.00
7/16 "	5	.207	.85
7/16 "	6	.192	.73
7/16 "	7	.177	.67
7/16 "	8	.162	.53
7/16 "	9	.148	.45
7/16 "	10	.135	.38
7/16 "	11	.120	.32
7/16 "	12	.105	.30
3/8 "	0	5/16 Inch	2.15
3/8 "	1	9/32 "	1.90
3/8 "	2	17/64 "	1.75
3/8 "	3	1/4 "	1.60
3/8 "	4	.225	1.10
3/8 "	5	.207	.90
3/8 "	6	.192	.80
3/8 "	7	.177	.70
3/8 "	8	.162	.55
3/8 "	9	.148	.48
3/8 "	10	.135	.42
3/8 "	11	.120	.35
3/8 "	12	.105	.32
5/16 "	4	.225	1.50
5/16 "	5	.207	1.10
5/16 "	6	.192	.88
5/16 "	7	.177	.75
5/16 "	8	.162	.65
5/16 "	9	.148	.55
5/16 "	10	.135	.48
5/16 "	11	.120	.42
5/16 "	12	.105	.35
1/4 "	4	.225	2.40
1/4 "	5	.207	1.65
1/4 "	6	.192	1.10
1/4 "	7	.177	.90
1/4 "	8	.162	.70
1/4 "	9	.148	.60
1/4 "	10	.135	.55
1/4 "	11	.120	.48
1/4 "	12	.105	.40
1/4 "	13	.092	.35
3/16 "	6	.192	1.70
3/16 "	7	.177	1.10
3/16 "	8	.162	.90
3/16 "	9	.148	.75
3/16 "	10	.135	.65
3/16 "	11	.120	.55
3/16 "	12	.105	.50
3/16 "	13	.092	.45

Specify size of wire in both gauge number and decimal of an inch.
See page 9 for gauge number and equivalents in decimals.

THE PERFECT DOUBLE CRIMPED BRASS, COPPER OR BRONZE WIRE CLOTH FOR MINING AND OTHER PURPOSES

Brass, Bronze and Copper Cloth

These cloths should be used in sizing materials that are wet or where work is done in damp localities where rust or corrosion are liable to affect the screens and interfere with the work. Also in mine screening or any other where the water is contaminated by acids and comes in contact with the cloth.

If your screen becomes useless from rust or corrosion before it wears out it will be found advantageous to pay the additional cost of these metals over that of iron or steel.

Practically every grade is included in these tables but any mesh or size of wire desired, that is not found here, can be furnished in short order. In ordering, please state number of rolls or pieces wanted, length, width, mesh, number, and decimal size of wire. Also as to whether brass, copper, or bronze is desired.

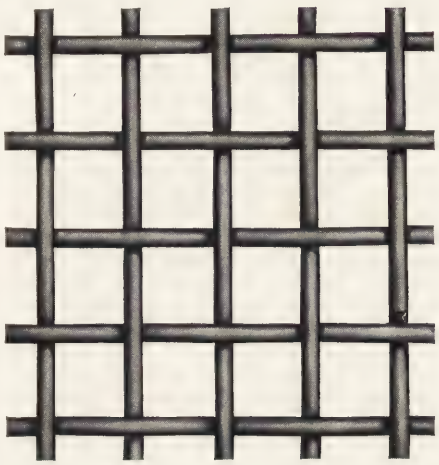
When writing for prices on this grade of cloth, it would be well to bear in mind that all of our quotations are based on furnishing cloth made from wire of the highest quality, as we use only the best low brass, phosphor bronze and pure copper wire in the manufacture of these goods.

Price List of All Grades of the "Perfect" Brass, Copper or Bronze Wire Cloth

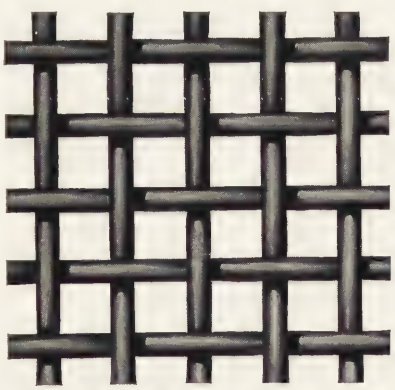
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
1	3	.244	.756	$5.50
1	4	.225	.775	4.50
1	5	.207	.793	3.75
1	6	.192	.808	3.25
1	7	.177	.823	3.00
1	8	.162	.838	2.50
1	9	.148	.852	2.00
1	10	.135	.865	1.50
1	11	.120	.880	1.25
1	12	.105	.895	.95
1	13	.092	.908	75
1	14	.080	.920	.65
1	15	.072	.928	.60
1	16	.063	.937	.50
¾	4	.225	.525	5.50
¾	5	.207	.543	4.50
¾	6	.192	.558	3.75
¾	7	.177	.573	3.25
¾	8	.162	.588	3.00
¾	9	.148	.602	2.50
¾	10	.135	.615	2.00
¾	11	.120	.630	1.50
¾	12	.105	.645	1.25
¾	13	.092	.658	.90
¾	14	.080	.670	.75
¾	15	.072	.678	.65
¾	16	.063	.687	.55
¾	17	.054	.696	.48
⅝	5	.207	.418	6.00
⅝	6	.192	.433	5.00
⅝	7	.177	448	4.00
⅝	8	.162	.463	3 50
⅝	9	.148	.477	3.00
⅝	10	.135	.490	2.50
⅝	11	.120	.505	2.00
⅝	12	.105	.520	1.40
⅝	13	.092	.533	1.00
⅝	14	.080	.545	.80
⅝	15	.072	.553	.70
⅝	16	.063	.562	.60
⅝	17	.054	.571	.50
2	4	.225	.275	9.00
2	5	.207	.293	7.50
2	6	.192	.308	6.00
2	7	.177	.323	5.00
2	8	.162	.338	4.00
2	9	.148	.352	3.50
2	10	.135	.365	3.00
2	11	.120	.380	2.50
2	12	.105	.395	2.00
2	13	.092	.408	1.40
2	14	.080	.420	1.00
2	15	.072	.428	.80
2	16	.063	.437	.60
2	17	.054	.446	.50
2	18	.047	.453	.45

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals



2 Mesh, No. 13. 092 Wire



2½ Mesh, No. 10 .135 Wire

Brass, Copper or Bronze Wire Cloth

Continued

Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
2½	6	.192	.208	$9.00
2½	7	.177	.223	6.50
2½	8	.162	.238	5.00
2½	9	.148	.252	4.25
2½	10	.135	.265	3.50
2½	11	.120	.280	2.75
2½	12	.105	.295	2.25
2½	13	.092	.308	1.60
2½	14	.080	.320	1.15
2½	15	.072	.328	.90
2½	16	.063	.337	.70
2½	17	.054	.346	.60
2½	18	.047	.353	.50
2½	19	.041	.359	.45
3	8	.162	.171	6.50
3	9	.148	.185	5.00
3	10	.135	.198	4.25
3	11	.120	.213	3.50
3	12	.105	.228	2.75
3	13	.092	.241	2.00
3	14	.080	.253	1.50
3	15	.072	.261	1.10
3	16	.063	.270	.85
3	17	.054	.279	.70
3	18	.047	.286	.60
3	19	.041	.292	.50
3	20	.035	.298	.45
3½	9	.148	.138	6.00
3½	10	.135	.151	4.75
3½	11	.120	.166	3.75
3½	12	.105	.181	3.00
3½	13	.092	.194	2.25
3½	14	.080	.206	1.75
3½	15	.072	.214	1.30
3½	16	.063	.223	1.00
3½	17	.054	.232	.80
3½	18	.047	.239	.65
3½	19	.041	.245	.55
3½	20	.035	.251	.50
3½	21	.032	.254	.45
4	10	.135	.115	6.00
4	11	.120	.130	4.50
4	12	.105	.145	3.50
4	13	.092	.158	2.75
4	14	.080	.170	2.25
4	15	.072	.178	1.75
4	16	.063	.187	1.25
4	17	.054	.196	.90
4	18	.047	.203	.65
4	19	.041	.209	.55
4	20	.035	.215	.45
4	21	.032	.218	.40

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.

Other Products

In addition to the wire cloth of all kinds listed in this Catalogue, The Ludlow-Saylor Company also manufacture the following:

Ornamental Wire and Iron Work

This company conducts a special department for the manufacture of ornamental wire and iron work, and has always been recognized as one of the leaders in this line, owing to the high-class workmanship shown in our products and our facilities for giving prompt service to our patrons.

Among other things made in this department are the following:

Bank Railings,
Counter Railings,
Elevator Enclosures,
Extension Gates,
Floor Railings,
Grilles,
Iron Fences,
Office Railings,
Partition Screens,
Wickets,
Window Guards,
Wire Signs.

Special catalogues mailed on request.

Riddles

The Ludlow-Saylor Riddles will be found of superior quality, both in workmanship and material used in their construction.

The following kinds are carried in stock in 18-inch diameter.

Hardware or Sand Riddles. 2 to 16 mesh
Steel Foundry Riddles... 2 to 16 "
Galv. Foundry Riddles... 2 to 8 "
Brass Moulders' Riddles.. 2 to 16 "
Miners' or Coal Riddles. ¾" to 1½" "

Brass, Copper or Bronze Wire Cloth

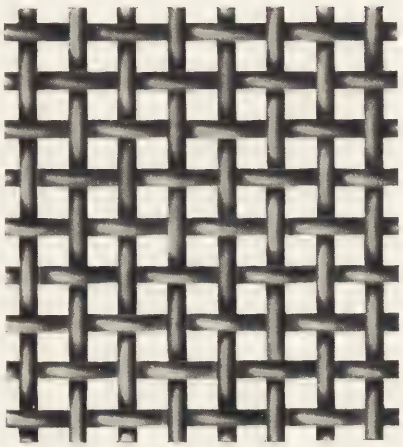
Continued

Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
4½	11	.120	.102	$5.25
4½	12	.105	.117	4.00
4½	13	.092	.130	3.35
4½	14	.080	.142	2.50
4½	15	.072	.150	1.90
4½	16	.063	.159	1.50
4½	17	.054	.168	1.05
4½	18	.047	.175	.75
4½	19	.041	.181	.60
4½	20	.035	.187	.50
4½	21	.032	.190	.43
5	12	.105	.095	4.50
5	13	.092	.108	3.50
5	14	.080	.120	2.75
5	15	.072	.128	2.10
5	16	.063	.137	1.75
5	17	.054	.146	1.20
5	18	.047	.153	.90
5	19	.041	.159	.65
5	20	.035	.165	.55
5	21	.032	.168	.45
5	22	.028	.172	.40
6	13	.092	.075	4.50
6	14	.080	.087	3.25
6	15	.072	.095	2.75
6	16	.063	.104	2.25
6	17	.054	.113	1.60
6	18	.047	.120	1.10
6	19	.041	.126	.85
6	20	.035	.132	.60
6	21	.032	.135	.50
6	22	.028	.139	.45
6	23	.025	.142	.40
7	14	.080	.063	4.00
7	15	.072	.071	3.00
7	16	.063	.080	2.50
7	17	.054	.089	2.00
7	18	.047	.096	1.50
7	19	.041	.102	1.00
7	20	.035	.108	.80
7	21	.032	.111	.60
7	22	.028	.115	.50
7	23	.025	.118	.45
7	24	.023	.120	.40

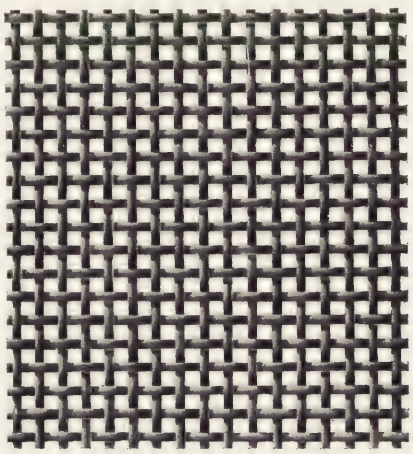
Specify size of wire in both gauge number and decimal of an inch.
See page 9 for gauge number and equivalents in decimals.

Brass, Copper or Bronze Wire Cloth

Continued



4 Mesh, No. 13 .092 Wire



8 Mesh, No. 18 .047 Wire

Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
8	15	.072	.053	$3.50
8	16	.063	.062	2.75
8	17	.054	.071	2.25
8	18	.047	.078	1.75
8	19	.041	.084	1.25
8	20	.035	.090	1.00
8	21	.032	.093	.80
8	22	.028	.097	.65
8	23	.025	.100	.50
8	24	.023	.102	.45
8	25	.020	.105	.40
9	15	.072	.039	4.00
9	16	.063	.048	3.25
9	17	.054	.057	2.50
9	18	.047	.064	2.00
9	19	.041	.070	1.60
9	20	.035	.076	1.15
9	21	.032	.079	.90
9	22	.028	.083	.75
9	23	.025	.086	.60
9	24	.023	.088	.50
9	25	.020	.091	.45
9	26	.018	.093	.40
10	17	.054	.046	2.75
10	18	.047	.053	2.25
10	19	.041	.059	1.75
10	20	.035	.065	1.25
10	21	.032	.068	1.00
10	22	.028	.072	.85
10	23	.025	.075	.65
10	24	.023	.077	.55
10	25	.020	.080	.50
10	26	.018	.082	.45
12	18	.047	.036	2.75
12	19	.041	.042	2.25
12	20	.035	.048	1.75
12	21	.032	.051	1.50
12	22	.028	.055	1.25
12	23	.025	.058	.85
12	24	.023	.060	.60
12	25	.020	.063	.50
12	26	.018	.065	.45
12	27	.017	.066	.40

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals

"The Perfect" Window Screen Cloth

Our Window Screen Cloth is made from the best grades of steel, galvanized and bronze wire of standard gauge, is double selvage with two wires in each selvage.

Each roll of cloth is carefully inspected before being wrapped, and when ready for shipment bears our labels, which is a guarantee of first quality.

We manufacture the following kinds and widths:

12 Mesh Painted.....18 to 48 in.
14 " " .....18 to 48 "
12 " Galvanized ..18 to 48 "
14 " " ..18 to 48 "
16 " " ..18 to 48 "
18 " " ..24 to 36 "
14 " Golden or Antique Bronze. 18 to 48 "
16 " Golden Bronze.....24 to 48 "
18 " Golden Bronze.....24 to 48 "

Put up in packages containing 100 lineal feet.

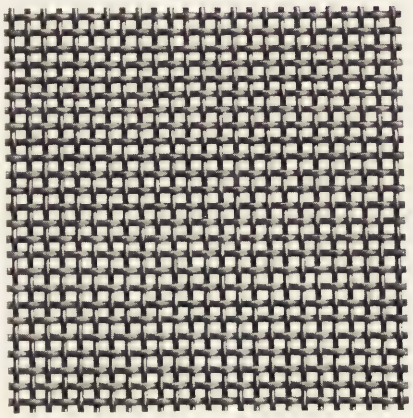
Prices quoted on receipt of specifications.

Brass, Copper or Bronze Wire Cloth

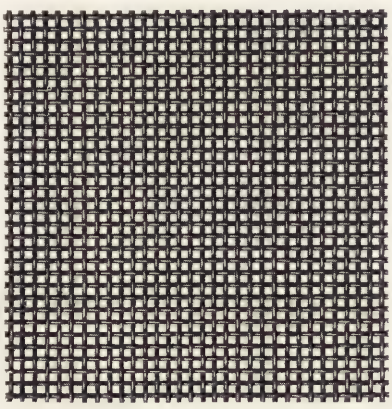
Continued

Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
14	19	.041	.030	$2.75
14	20	.035	.036	2.25
14	21	.032	.039	1.75
14	22	.028	.043	1.35
14	23	.025	.046	1.00
14	24	.023	.048	.80
14	25	.020	.051	.65
14	26	.018	.053	.55
14	27	.017	.054	.50
14	28	.016	.055	.45
14	29	.015	.056	.40
16	19	.041	.0215	3.25
16	20	.035	.0275	2.75
16	21	.032	.0305	2.00
16	22	.028	.0345	1.50
16	23	.025	.0375	1.25
16	24	.023	.0395	.90
16	25	.020	.0425	.70
16	26	.018	.0445	.60
16	27	.017	.0455	.55
16	28	.016	.0465	.50
16	29	.015	.0475	.45
16	30	.014	.0485	.43
16	31	.0132	.0493	.40
18	20	.035	.0206	3.25
18	21	.032	.0236	2.50
18	22	.028	.0276	2.00
18	23	.025	.0306	1.50
18	24	.023	.0326	1.25
18	25	.020	.0356	.85
18	26	.018	.0376	.65
18	27	.017	.0386	.60
18	28	.016	.0396	.53
18	29	.015	.0406	.48
18	30	.014	.0416	.45
18	31	.0132	.0424	.43
18	32	.0128	.0428	.38
18	33	.0118	.0438	.32
20	21	.032	.0180	3.00
20	22	.028	.0220	2.50
20	23	.025	.0250	2.00
20	24	.023	.0270	1.50
20	25	.020	.0300	1.15
20	26	.018	.0320	.80
20	27	.017	.0330	.65
20	28	.016	.0340	.55
20	29	.015	.0350	.50
20	30	.014	.0360	.48
20	31	.0132	.0368	.45
20	32	.0128	.0372	.40
20	33	.0118	.0382	.35
20	34	.0104	.0396	.30
20	35	.0095	.0405	.27

Specify size of wire in both gauge number and decimal of an inch.
See page 9 for gauge number and equivalents in decimals.



12 Mesh, No. 20 .035 Wire



16 Mesh, No. 22 .028 Wire

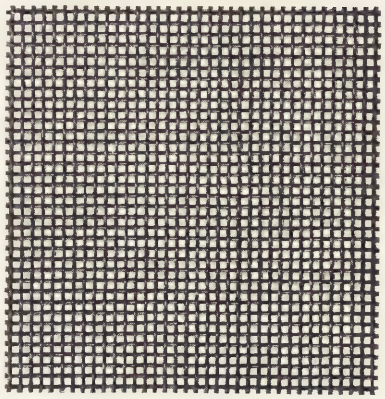
Brass, Copper or Bronze Wire Cloth

Continued

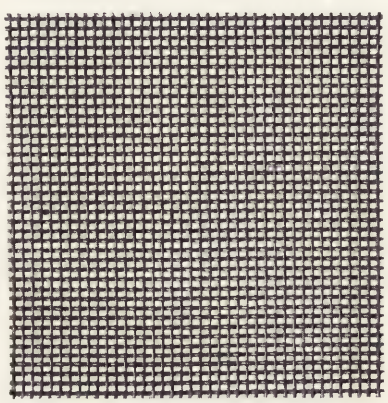
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
22	22	.028	.0175	$3.00
22	23	.025	.0205	2.50
22	24	.023	.0225	2.00
22	25	.020	.0255	1.50
22	26	.018	.0275	1.10
22	27	.017	.0285	.75
22	28	.016	.0295	.60
22	29	.015	.0305	.55
22	30	.014	.0315	.53
22	31	.0132	.0323	.50
22	32	.0128	.0327	.45
22	33	.0118	.0337	.37
22	34	.0104	.0351	.30
22	35	.0095	.0360	.27
22	36	.0090	.0365	.25
24	24	.023	.0187	2.50
24	25	.020	.0217	2.00
24	26	.018	.0237	1.40
24	27	.017	.0247	1.00
24	28	.016	.0257	.75
24	29	.015	.0267	.60
24	30	.014	.0277	.58
24	31	.0132	.0285	.55
24	32	.0128	.0289	.50
24	33	.0118	.0299	.40
24	34	.0104	.0313	.35
24	35	.0095	.0322	.30
24	36	.0090	.0327	.27
24	37	.0085	.0332	.26
24	38	.0080	.0337	.25
24	39	.0075	.0342	.24
26	25	.020	.0185	2.50
26	26	.018	.0205	1.75
26	27	.017	.0215	1.25
26	28	.016	.0225	.90
26	29	.015	.0235	.70
26	30	.014	.0245	.65
26	31	.0132	.0253	.60
26	32	.0128	.0257	.55
26	33	.0118	.0267	.45
26	34	.0104	.0281	.40
26	35	.0095	.0290	.35
26	36	.0090	.0295	.30
26	37	.0085	.0300	.28
26	38	.0080	.0305	.27
26	39	.0075	.0310	.25

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.



18 Mesh, No. 23 .025 Wire



20 Mesh, No. 25 .020 Wire

Brass, Copper or Bronze Wire Cloth

Continued

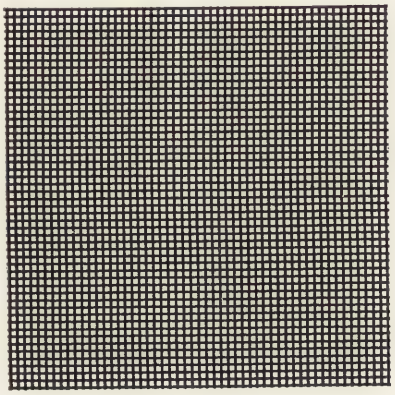
Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
28	26	.018	.0177	$2.00
28	27	.017	.0187	1.40
28	28	.016	.0197	1.00
28	29	.015	.0207	.75
28	30	.014	.0217	.70
28	31	.0132	.0225	.65
28	32	.0128	.0229	.60
28	33	.0118	.0239	.48
28	34	.0104	.0253	.43
28	35	.0095	.0262	.38
28	36	.0090	.0267	.33
28	37	.0085	.0272	.30
28	38	.0080	.0277	.28
28	39	.0075	.0282	.27
30	27	.017	.0163	1.60
30	28	.016	.0173	1.10
30	29	.015	.0183	.80
30	30	.014	.0193	.75
30	31	.0132	.0201	.70
30	32	.0128	.0205	.65
30	33	.0118	.0215	.50
30	34	.0104	.0229	.45
30	35	.0095	.0238	.40
30	36	.0090	.0243	.35
30	37	.0085	.0248	.33
30	38	.0080	.0253	.30
30	39	.0075	.0258	.28
32	28	.016	.0153	1.50
32	29	.015	.0163	1.15
32	30	.014	.0173	.90
32	31	.0132	.0181	.85
32	32	.0128	.0185	.75
32	33	.0118	.0195	.60
32	34	.0104	.0209	.50
32	35	.0095	.0218	.45
32	36	.0090	.0223	.42
32	37	.0085	.0228	.40
32	38	.0080	.0233	.37
32	39	.0075	.0238	.35
35	28	.016	.0126	2.00
35	29	.015	.0136	1.50
35	30	.014	.0146	1.10
35	31	.0132	.0154	1.00
35	32	.0128	.0158	.85
35	33	.0118	.0168	.70
35	34	.0104	.0182	.60
35	35	.0095	.0191	.55
35	36	.0090	.0196	.50
35	37	.0085	.0201	.48
35	38	.0080	.0206	.45
35	39	.0075	.0211	.40

Specify size of wire in both gauge number and decimal of an inch.

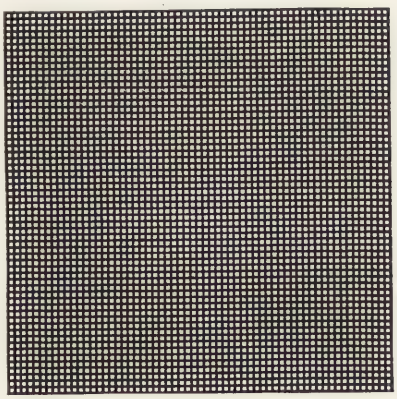
See page 9 for gauge number and equivalents in decimals.

Brass, Copper or Bronze Wire Cloth

Continued



26 Mesh, No. 28 .016 Wire



30 Mesh, No. 28 .016 Wire

Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
38	30	.014	.0123	$1.50
38	31	.0132	.0131	1.30
38	32	.0128	.0135	1.20
38	33	.0118	.0145	1.10
38	34	.0104	.0159	.70
38	35	.0095	.0168	.55
38	36	.0090	.0173	.45
40	31	.0132	.0118	1.60
40	32	.0128	.0122	1.25
40	33	.0118	.0132	.85
40	34	.0104	.0146	.65
40	35	.0095	.0155	.60
40	36	.0090	.0160	.55
40	37	.0085	.0165	.53
40	38	.0080	.0170	.50
40	39	.0075	.0175	.45
42	31	.0132	.0106	1.75
42	32	.0128	.0110	1.50
42	33	.0118	.0120	1.20
42	34	.0104	.0134	.90
42	35	.0095	.0143	.70
42	36	.0090	.0148	.60
45	32	.0128	.0094	1.75
45	33	.0118	.0104	1.30
45	34	.0104	.0118	1.00
45	35	.0095	.0127	.85
45	36	.0090	.0132	.70
45	37	.0085	.0137	.65
45	38	.0080	.0142	.60
45	39	.0075	.0147	.55
50	33	.0118	.0082	1.60
50	34	.0104	.0096	1.30
50	35	.0095	.0105	1.00
50	36	.0090	.0110	.80
50	37	.0085	.0115	.75
50	38	.0080	.0120	.70
50	39	.0075	.0125	.65
55	36	.0090	.0092	1.00
55	37	.0085	.0097	.90
55	38	.0080	.0102	.80
55	39	.0075	.0107	.75
60	36	.0090	.0077	1.25
60	37	.0085	.0082	.90
60	38	.0080	.0087	.85
60	39	.0075	.0092	.80
70	40	.0070	.0073	1.00
80	45	.0055	.0070	1.25
90	48	.0048	.0063	1.50
100	50	.0044	.0056	1.75

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.

Fine Brass and Bronze Wire Cloth

Where accuracy is essential, such as in the analysis of ore, cement, etc., The Ludlow-Saylor high grade brass or bronze wire cloth is almost indispensable owing to the fact that it is accurate in Mesh, and the wire being of standard gauge.

All extra fine sizes are carried in stock in 36-inch width only, but can be made up specially in any width from 24 to 48 inches.

Market Grades

The market grades of brass, copper or bronze Wire Cloth listed on this page are carried in stock 36 inches wide, but on request can be made up in any special width from 24 to 48 inches.

Besides the regular grades listed herein we also make all kinds of Twilled Cloth for filters of all kinds, as well as ventilator or car cloth, and cloth for sugar machines.

Brass Strainer Cloth

Brass Strainer Cloth is carried in stock in 40, 50 and 60 Mesh and can be furnished in rolls of 100 lineal feet, 36 inches wide; also in rolls 5 feet long by 12 inches wide. Prices quoted on application.

Price List of Extra Fine Brass or Bronze Wire Cloth

Number of Meshes per Inch	Decimal Size of Wire	Size of Opening, Decimal of Inch	List Price per Square Foot
Plain			
110	.0040	.00509	$1.85
120	.0037	.00463	2.00
130	.0033	.00439	2.25
140	.0029	.00424	2.50
Twilled			
110	.00425	.00484	1.85
120	.0040	.00433	2.00
130	.0036	.00409	2.25
140	.0032	.00394	2.50
150	.0030	.00367	2.75
160	.0028	.00345	3.00
170	.0026	.00328	3.50
180	.0024	.00315	4.00
190	.0022	.00306	4.25
200	.0020	.0030	4.50

Price List of Market Grade, The "Perfect" Brass, Copper or Bronze Wire Cloth

Number of Meshes per Inch	Number of Wire	Decimal Size of Wire	Size of Opening, Decimal of Inch	List Price per Square Foot
2	16	.063	.437	$0.60
3	17	.054	.279	.70
4	18	.047	.203	.65
5	19	.041	.159	.65
6	20	.035	.132	.60
8	22	.028	.097	.65
10	23	.025	.075	.65
12	24	.023	.060	.60
14	25	.020	.051	.65
16	26	.018	.0445	.60
18	27	.017	.0386	.60
20	28	.016	.0340	.55
22	29	.015	.0305	.55
24	30	.014	.0277	.58
30	32	.0128	.0205	.65
35	33	.0118	.0168	.70
40	34	.0104	.0146	.65
45	35	.0095	.0127	.85
50	36	.0090	.0110	.80
60	39	.0075	.0092	.80
70	40	.0070	.0073	1.00
80	45	.0055	.0070	1.25
90	48	.0048	.0063	1.50
100	50	.0044	.0056	1.75

Tinned Mill Screen

The Ludlow-Saylor Perfect Tinned Mill screen listed on this page, is made from steel wire of high quality which has been heavily coated with tin, making it thoroughly rust-proof.

This cloth, like all other Ludlow-Saylor products, is uniformly crimped both ways, thereby preventing shifting of the wires; this feature, together with the smooth surface imparted to the wire by the tin coating, produces a cloth which is specially adapted for use in flour mills, owing to the fact that the chances for the meshes becoming clogged is reduced to the minimum.

Our regular stock widths are 18, 20 and 24 inches, but can be made to any desired width up to 48 inches.

Price List

The Perfect Tinned Mill Screen Wire Cloth

Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
2	17	.054	.446	$0.15
3	19	.041	.292	.16
4	20	.035	.215	.17
5	21	.032	.168	.17
6	22	.028	.139	.18
7	22	.028	.115	.20
8	23	.025	.100	.20
9	24	.023	.088	.20
10	25	.020	.080	.20
12	26	.018	.065	.20
14	27	.017	.054	.20
16	28	.016	.0465	.22
18	29	.015	.0406	.22
20	30	.014	.0360	.25
22	31	.0132	.0323	.28
24	32	.0128	.0289	.30
26	33	.0118	.0267	.32
28	34	.0104	.0253	.34
30	35	.0095	.0238	.35
32	36	.0090	.0223	.37
34	36	.0090	.0204	.40
36	36	.0090	.0188	.42
38	37	.0085	.0178	.46
40	37	.0085	.0165	.50
45	37	.0085	.0137	.60
50	38	.0080	.0120	.65
55	38	.0080	.0102	.70
60	39	.0075	.0092	.85

Bran Duster Cloth

We also include on this page a price list of the Ludlow-Saylor Perfect Bran Duster Cloth, which, like the above, is for use in flour mills, but instead of being made from tin-coated wire it is made of plain steel wire of the best quality.

The regular stock widths are 18, 20 and 24 inches; we can, however, make any special widths on short notice.

Price List

The Perfect Bran Duster Wire Cloth

Number of Meshes per Inch	Number of Wire	Diameter of Wire, Decimal of Inch	Size of Opening, Decimal of Inch	List Price per Square Foot
30	30	.014	.0193	$0.42
35	32	.0128	.0158	.45
40	33	.0118	.0132	.50
45	34	.0104	.0118	.65
50	35	.0095	.0105	.70
55	36	.0090	.0092	.85
60	38	.0080	.0087	1.20
64	39	.0075	.0081	1.20
70	39	.0075	.0068	1.30
74	40	.0070	.0065	1.30
80	41	.0066	.0059	1.30
90	42	.0062	.0049	1.50

Stack Netting for Locomotives

Many of the largest railroad systems are users of the Ludlow-Saylor double crimped Locomotive Stack netting for "front end netting" in locomotives.

In this netting, both the warp and shoot wires are crimped in such a manner as to make it perfectly rigid throughout. The wires cannot shift under the most exacting conditions.

Locomotive stack netting is usually quoted by the pound and the accompanying list will show the meshes and sizes of wire most commonly used.

Square or oblong mesh in all sizes can be supplied if desired.

Ventilator or Car Cloth

The Ludlow-Saylor Perfect Ventilator or Car Cloth is made of either brass, copper or bronze wire, but copper is the metal in most general use for this purpose owing to its better lasting qualities as compared with brass, and its lower cost as compared with bronze.

As a rule each railroad has its own standard for ventilator cloth, varying from 18x18 mesh .017 to 36x36 mesh .0104.

It is very important in ordering this grade of cloth, or when writing for prices, to specify the mesh both ways as (24x24 mesh), also the number and decimal size of wire.

The Perfect Double Crimped Locomotive Stack Netting

Number of Meshes per Inch	Number of Wire	Decimal Size of Wire	Size of Opening
2	8	.162	.338
2	9	.148	.352
2	10	.135	.365
2	11	.120	.380
2	12	.105	.395
2½	9	.148	.252
2½	10	.135	.265
2½	11	.120	.280
2½	12	.105	.295
2½	13	.092	.308
3	9	.148	.185
3	10	.135	.198
3	11	.120	.213
3	12	.105	.228
3	13	.092	.241
3½	10	.135	.151
3½	11	.120	.166
3½	12	.105	.181
3½	13	.092	.194
4	11	.120	.130
4	12	.105	.145
4	13	.092	.158
4	14	.080	.170
5	13	.092	.108
5	14	.080	.120
6	15	.072	.095
6	16	.063	.104
7	15	.072	.071
7	16	.063	.080
7	17	.054	.089
8	16	.063	.062

Specify size of wire in both gauge number and decimal of an inch.

See page 9 for gauge number and equivalents in decimals.

Galvanized Screens for Refrigerator Cars

When used in Refrigerator cars, wire cloth is constantly exposed to moisture and its permanency depends largely upon its careful construction and even more upon the thoroughness with which is has been galvanized.

Naturally the rust is most apt to affect wire cloth where the wires cross.

The steel wire cloth made by The Ludlow-Saylor Co. for use in refrigerator cars has both the warp and shoot wires crimped both over and under and is coated heavily with pure spelter after being woven. This coating not only covers the wires but also solders the intersections, so that the entire surface is impervious to moisture and hence rust-proof.

Only the coarser meshes (up to and including 8 mesh) can be galvanized after weaving. The finer meshes must be woven from wire already galvanized because the smaller openings are apt to fill up when subjected to the spelter bath.

"The Perfect" Galvanized Hardware Cloth

Standard Hardware Grade

Our cloth is made of the best wire, thoroughly galvanized after it is woven, which solders the joints and prevents the spreading of the wires.

This cloth is used extensively for fire-proofing in place of wood lath, as the mortar passes freely through the meshes and forms solidly on both sides, thus making it practically fire and water proof.

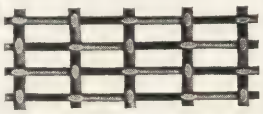
It is also used by fruit evaporators; in cotton gins; also for belts in drying machines of all kinds.

This cloth is also used very extensively for lining corn cribs for protection against rats and field mice.

We also make all grades of cloth in the coarser meshes, galvanized after woven, and will be pleased to quote special prices upon receipt of specifications.

REK-TANG ©

W



SCREEN

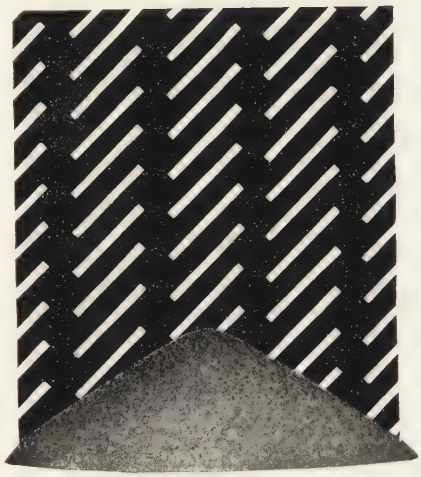
Trade Mark Registered

"Rek-Tang" Rolled Slot Screens

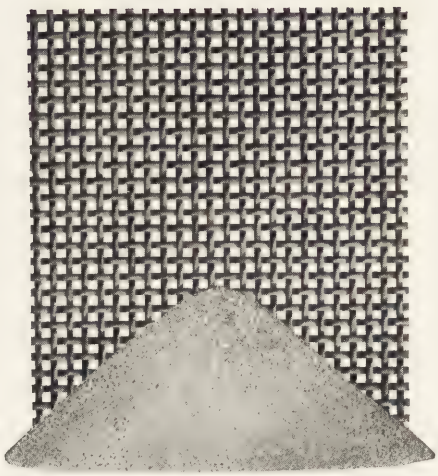
The Rek-Tang rolled slot screen replaces the perforated metal sheet and the square mesh wire screen. We do not know of any instance where a perforated metal screen or a square mesh screen is used that a Rek-Tang screen could not be substituted with the triple advantage of greater capacity, greater uniformity of sizing and economy.

Let us take these points up one at a time and find the reasons.

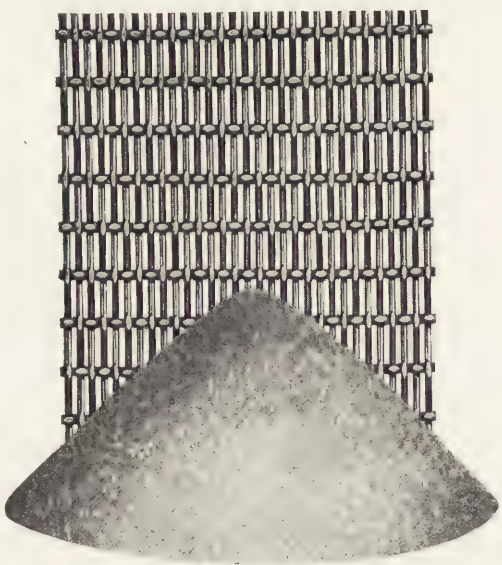
The greater capacity of Rek-Tang is apparent when you look at the illustrations on the opposite page. The relative discharges of the three types of screen are graphically shown and a little study of the screens themselves will make the reason plain. Compare the amount of dead space in the perforated metal and the Rek-Tang. It is no wonder that Rek-Tang does a like job in about one third the time. And here is why the Rek-Tang capacity exceeds that of the square mesh screen. By forming an oblong instead of a square mesh the dead space in each opening is lessened by the thickness of one or more shoot wires. That in the aggregate this is an element of consideration is shown by the increase of the discharge as illustrated.



Perforated Metal



Square Mesh

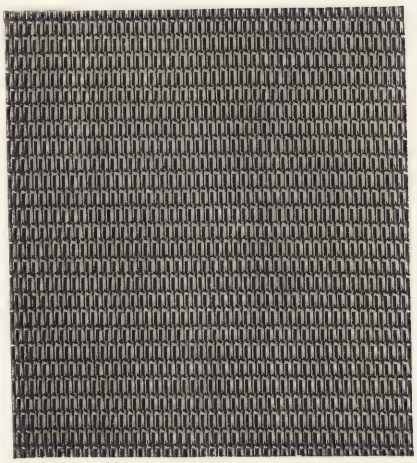


Rek-Tang

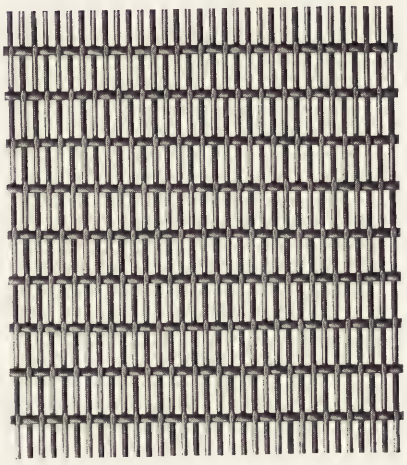
Showing the comparative efficiency of the different screens.

Table of Standard Numbers of Rek-Tang Screen

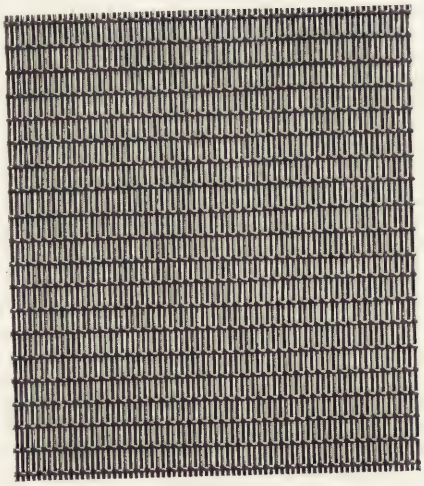
Width of Opening Inches	Width of Opening Millimeters	Extra Heavy	Heavy	Medium	Medium Light	Light
.004″	.102m/m		No. 420	No. 537		
.005″	.127m/m		No. 403	No. 540		
.006″	.152m/m	No. 354	No. 424	No. 536		
.007″	.178m/m	No. 286	No. 331	No. 401	No. 422	No. 285
.008″	.203m/m	No. 287	No. 305	No. 404	No. 423	No. 450
.009″	.229m/m	No. 288	No. 355	No. 402	No. 421	No. 306
.010″	.254m/m	No. 289	No. 302	No. 307	No. 400	No. 425
.011″	.279m/m	No. 326	No. 318	No. 283	No. 356	No. 308
.012″	.305m/m	No. 177	No. 213	No. 312	No. 309	No. 353
.013″	.330m/m	No. 225	No. 263	No. 281	No. 304	No. 350
.014″	.356m/m	No. 541	No. 242	No. 310	No. 314	No. 351
.015″	.381m/m	No. 183	No. 327	No. 262	No. 301	No. 328
.016″	.406m/m	No. 277	No. 210	No. 280	No. 303	No. 329
.017″	.432m/m	No. 542	No. 220	No. 240	No. 320	No. 543
.018″	.457m/m	No. 171	No. 204	No. 319	No. 265	No. 282
.019″	.483m/m	No. 544	No. 241	No. 321	No. 322	No. 545



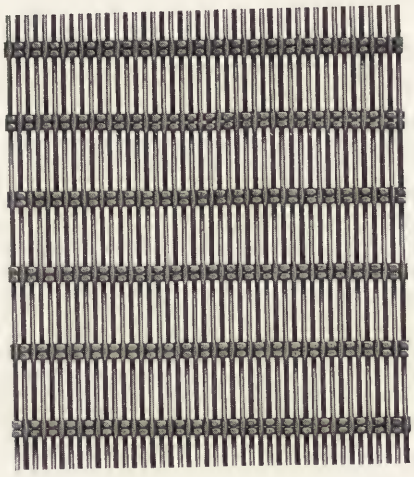
No. 420, Rek-Tang



No. 164, Rek-Tang



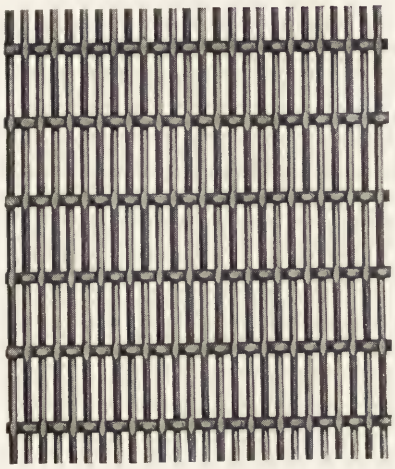
No. 355, Rek-Tang



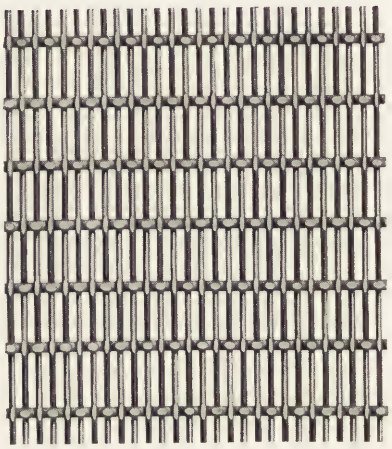
No. 212, Rek-Tang

Table of Standard Numbers of Rek-Tang Screen

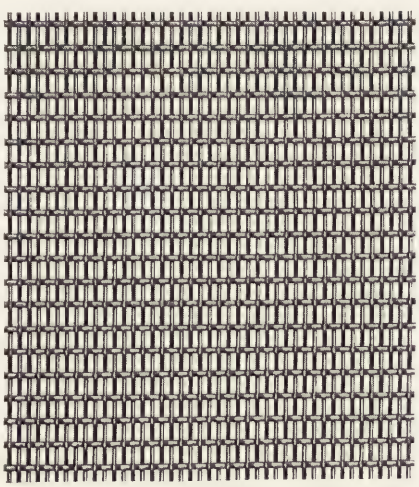
Width of Opening Inches	Width of Opening Millimeters	Extra Heavy	Heavy	Medium	Medium Light	Light
.020″	.508m/m	No. 284	No. 151	No. 214	No. 224	No. 260
.021″	.533m/m	No. 163	No. 182	No. 193	No. 546	No. 547
.022″	.559m/m	No. 166	No. 181	No. 206	No. 221	No. 251
.023″	.584m/m	No. 139	No. 161	No. 215	No. 324	No. 325
.024″	.610m/m	No. 147	No. 170	No. 180	No. 248	No. 323
.025″	.635m/m	No. 294	No. 209	No. 216	No. 293	No. 315
.026″	.660m/m	No. 154	No. 330	No. 317	No. 316	No. 561
.027″	.686m/m	No. 164	No. 178	No. 205	No. 297	No. 548
.028″	.711m/m	No. 115	No. 295	No. 296	No. 332	No. 333
.030″	.762m/m	No. 130	No. 141	No. 549	No. 199	No. 550
.0325″	.826m/m	No. 299	No. 152	No. 187	No. 207	No. 198
.035″	.889m/m	No. 128	No. 149	No. 157	No. 168	No. 186
.0375″	.953m/m	No. 197	No. 118	No. 111	No. 167	No. 551
.040″	1.016m/m	No. 196	No. 92	No. 105	No. 140	No. 279
.0425″	1.080m/m	No. 335	No. 127	No. 138	No. 145	No. 395
.045″	1.143m/m	No. 109	No. 100	No. 110	No. 136	No. 159



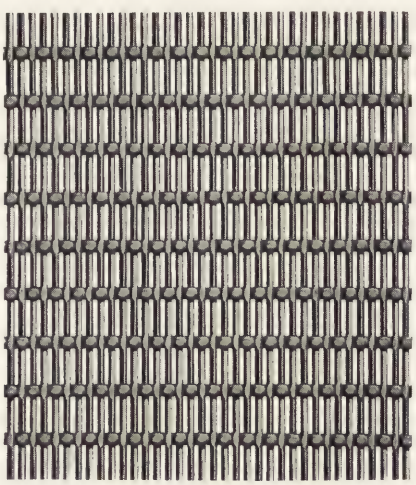
No. 130, Rek-Tang



No. 144, Rek-Tang



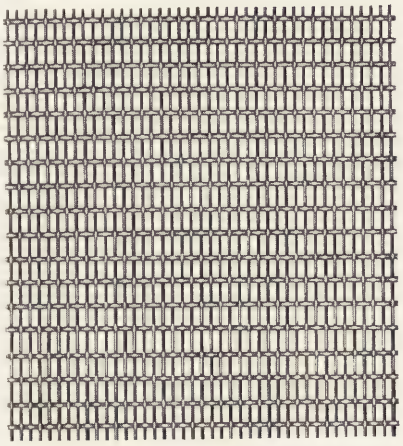
No. 205, Rek-Tang



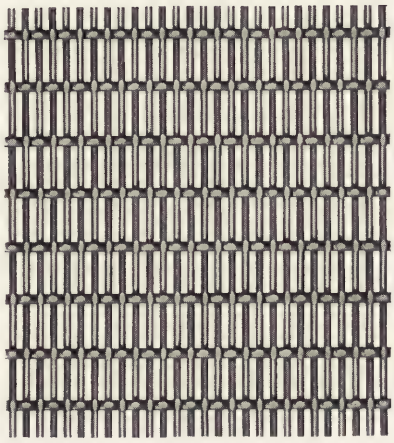
No. 175, Rek-Tang

Table of Standard Numbers of Rek-Tang Screen

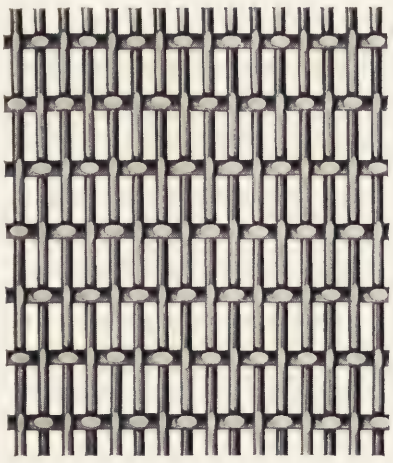
Width of Opening Inches	Width of Opening Millimeters	Extra Heavy	Heavy	Medium	Medium Light	Light
.0475″	1.207m/m	No. 179	No. 95	No. 158	No. 119	No. 276
.050″	1.270m/m	No. 274	No. 552	No. 117	No. 124	No. 135
.055″	1.397m/m	No. 87	No. 439	No. 101	No. 385	No. 125
.060″	1.524m/m	No. 64	No. 553	No. 72	No. 370	No. 85
.070″	1.778m/m	No. 68	No. 460	No. 80	No. 478	No. 91
.080″	2.032m/m	No. 254	No. 67	No. 481	No. 76	No. 81
.090″	2.286m/m	No. 57	No. 253	No. 60	No. 269	No. 272
.100″	2.540m/m	No. 252	No. 259	No. 346	No. 63	No. 554
.110″	2.794m/m	No. 239	No. 50	No. 298	No. 273	
.125″	3.175m/m	No. 555	No. 556	No. 342	No. 54	
.140″	3.556m/m	No. 534	No. 226	No. 557	No. 46	
.155″	3.937m/m	No. 558	No. 559	No. 228	No. 238	
.190″	4.826m/m	No. 417	No. 560	No. 233	No. 347	
.220″	5.588m/m	No. 26	No. 218	No. 227	No. 231	
.250″	6.350m/m	No. 430	No. 17	No. 25	No. 217	



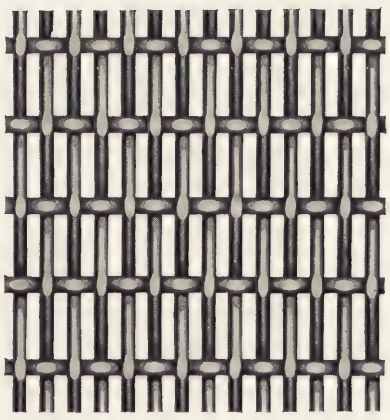
No. 207, Rek-Tang



No. 143, Rek-Tang



No. 85, Rek-Tang



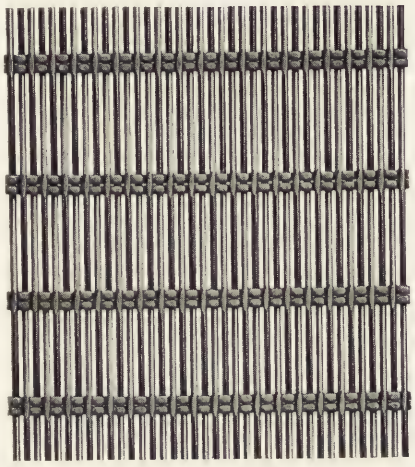
No. 72, Rek-Tang

"Rek-Tang" Screens Replace Other Screens

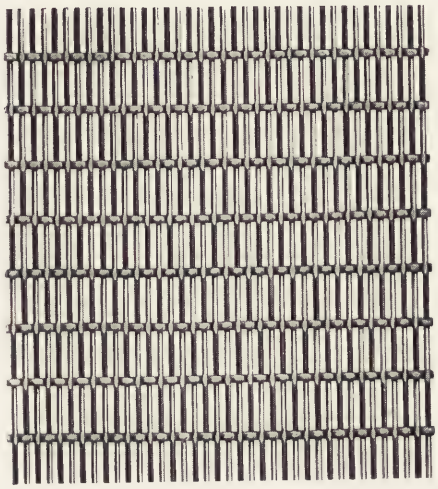
Rek-Tang will produce sizing of the greatest possible uniformity—that is there will be less fines and slime. The reason for this is that there is an absolute minimum of dead space. As soon as a particle is crushed to the proper size it is discharged. Whereas in the perforated metal screen, particles already reduced to a size that will pass the opening are often recrushed because of the extensive area of dead space. This slows down out-put besides giving a product of uneven grade. The same thing happens to a lesser extent with the square mesh wire screen.

Rek-Tang screens are always made to order. None are carried in stock. This is because Rek-Tang screens are always made to definitely fit the work in hand. There are over two hundred combinations shown in the three charts of standard sizes on the preceding pages, while any other combination can also be furnished. This screen may be had in iron, steel, brass or copper.

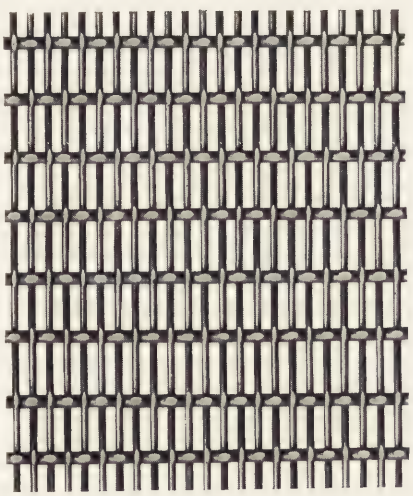
If you have been using square mesh, give us the number of the mesh and size of wire and we will furnish its equivalent in Rek-Tang. When replacing other screens with Rek-Tang, it is advisable to send a sample of the old screen and a small portion of the screen product. If frame is of irregular shape, a plan of the template should be included.



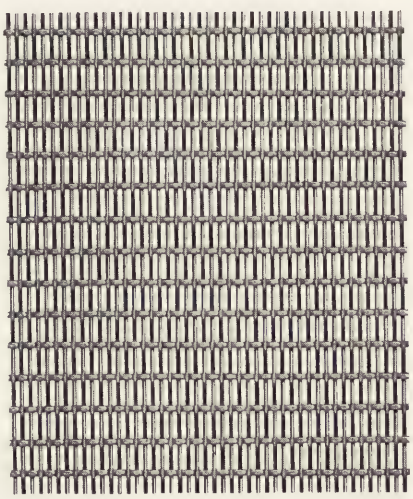
No. 185, Rek-Tang



No. 170, Rek-Tang



No. 113, Rek-Tang



No. 223, Rek-Tang

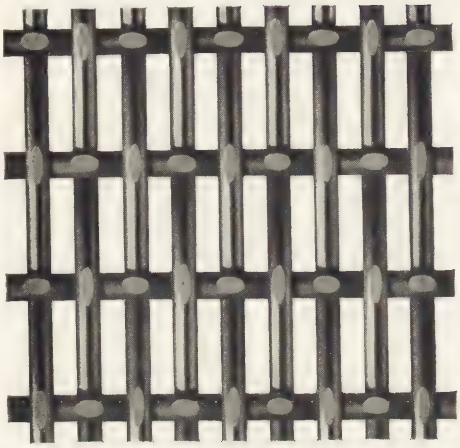
"Rek-Tang" Screens Increase Discharge Area

The production of any reducing mills is determined by the screen—a mill will produce no faster than the screen will permit the material to pass. And material cannot pass through the metal or wire. It must pass through the air spaces. So it follows that as the dead space on the screen is lessened the production capacity of the mill is speeded up.

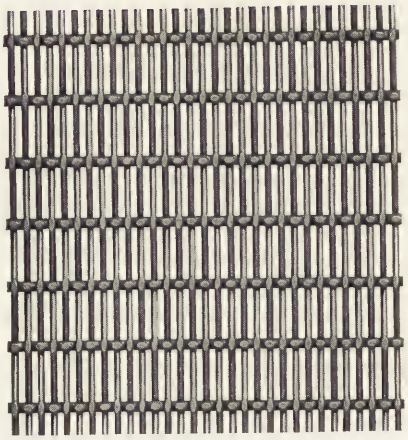
In this respect Rek-Tang is as near the ideal as is possible—a maximum of air space and a minimum of metal dead space.

A Rek-Tang screen has over a hundred percent greater discharge area than the equivalent screen of slotted metal. Compared to the equivalent round hole metal screen the Rek-Tang has an advantage exceeding ninety percent. And Rek-Tang exceeds even the square mesh wire screen by approximately fifty percent.

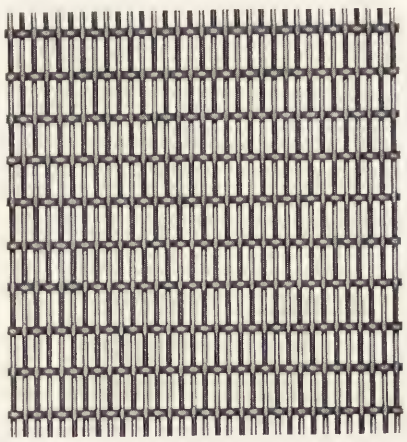
Rek-Tang insures greater capacity.



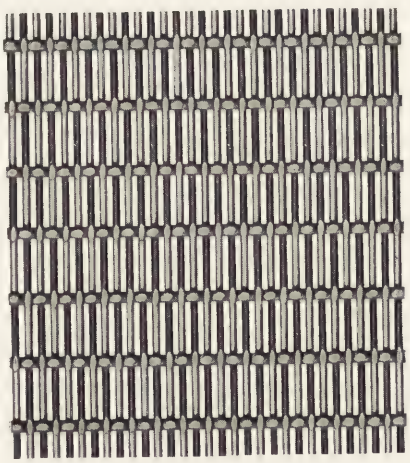
No. 41, Rek-Tang



No. 154, Rek-Tang



No. 160, Rek-Tang



No. 155, Rek-Tang

"Rek-Tang" Screens Wear Longer

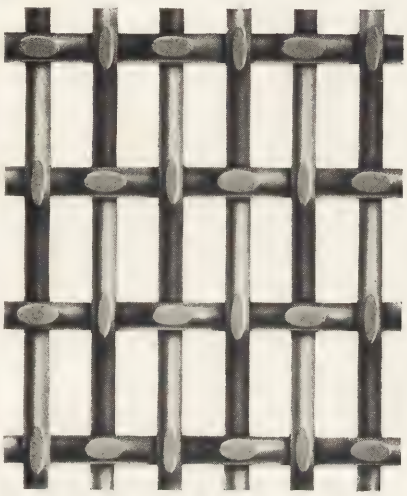
The maximum discharge area is the all important feature of a screen. But if the screen having this quality also possesses the virtue of out wearing other screens, that is indeed a wonderful combination.

Just consider for a moment how the metal screen is made. A sheet of metal is punched with diagonal slots or round holes. Every hole or slot punched weakens the metal. The closer together these holes the more the metal is weakened.

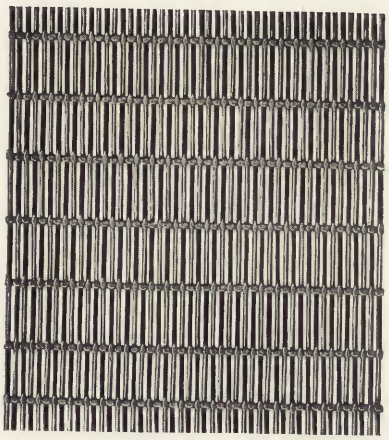
Exactly the opposite is true of Rek-Tang. Rek-Tang is woven wire. The size of the opening has no effect on the strength of the wire. In fact the smaller the opening the closer together are the wires and the stronger the screen.

Another feature of much importance is uniformity of wear. As a metal screen wears the openings constantly become larger. It is not uncommon for these openings to double in size during the life of a metal screen. In a Rek-Tang screen practically all the wear is on the top of the wires. There is practically no change in the size of the openings throughout its period of use.

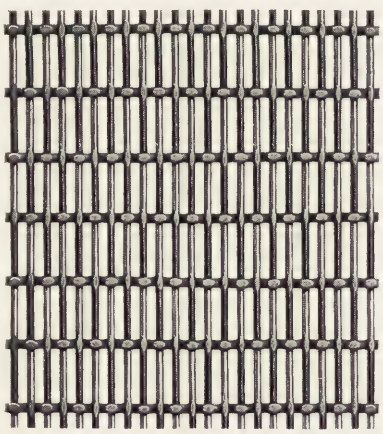
As the uniformity of the product demands screen openings of a constant size, the advantage of Rek-Tang in this particular is apparent.



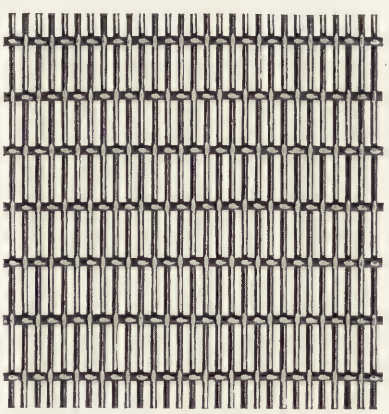
No. 30, Rek-Tang



No. 244, Rek-Tang



No. 120, Rek-Tang



No. 152, Rek-Tang

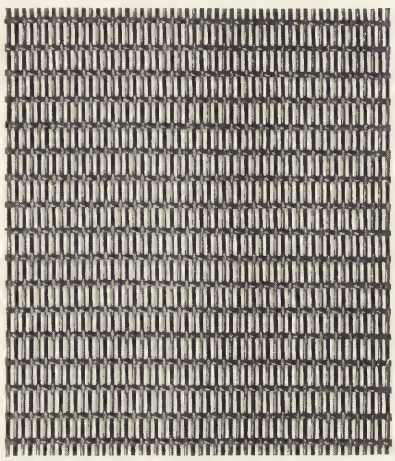
"Rek-Tang" Screens Cut Operating Costs

Operating costs drop when Rek-Tang is put on the job. It is not what it costs to operate the sizing mill for a day—but how many tons are produced. That is where Rek-Tang lowers cost. Rek-Tang, with the greatest discharge surface, produces more tons per day.

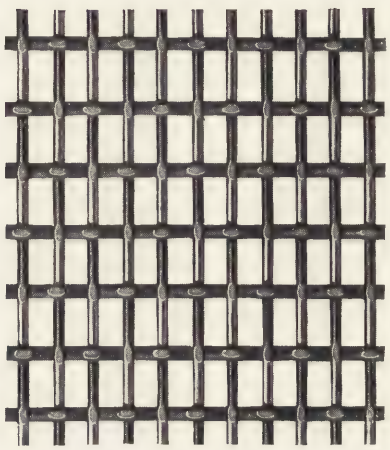
Greater capacity is only one of the three ways in which Rek-Tang cuts operating costs.

As the wear is practically all on the top surface of the wires, Rek-Tang has established a record for long wear. This means a lowered replacement cost and less frequent loss of time in installing new screens.

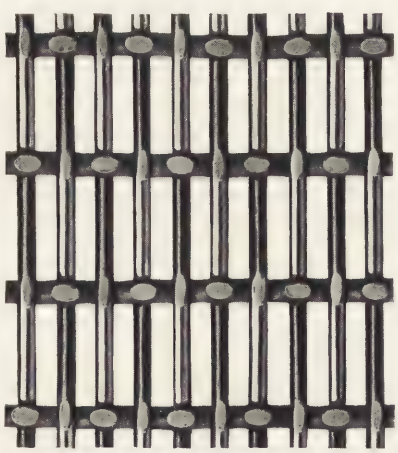
Uniformity of product is desirable. Two features of Rek-Tang tend toward this result. The minimum of dead space prevents re-crushing and results in the practical elimination of slimes. And as Rek-Tang will wear almost entirely through without a perceptible change in the size of the opening the product will remain of uniform fineness. In sizing uniformity means quality. Quality means the top price of the market. This is an indirect, never-the-less a very material saving in the cost of operation.



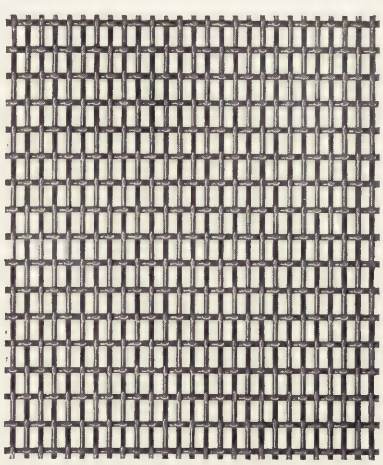
No. 262, Rek-Tang



No. 63, Rek-Tang



No. 52, Rek-Tang



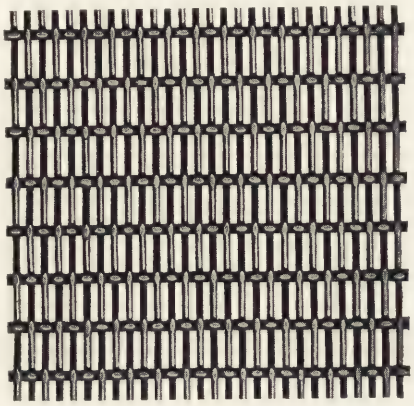
No. 140, Rek-Tang

"Rek-Tang" Screens Made to Meet Conditions

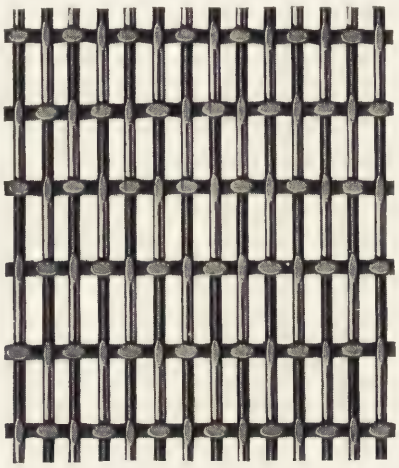
We have shown in this section of our catalog a number of different Rek-Tang screens. These are shown largely to visualize the great flexibility of Rek-Tang screening. Rek-Tang can be made of any size wire with any size openings and of iron, steel, brass or copper. In practically all numbers a single shoot wire is used, but where a double shoot wire works to advantage, the screening is made in that way.

It is not necessary that Rek-Tang screening be made to conform to any of the illustrations shown. Rek-Tang is not carried in stock but is in every instance made to special order. This is done so that exact specifications can be followed and a screen produced to meet any condition.

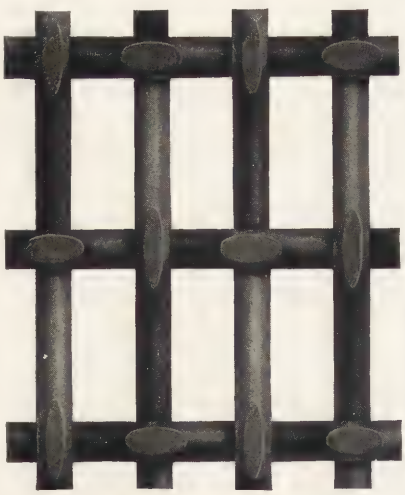
There are three pages of tables showing in inches and millimeters standard sizes of Rek-Tang in the several weights. If you are using a metal screen or square mesh screen we can give you the equivalent in a Rek-Tang screen.



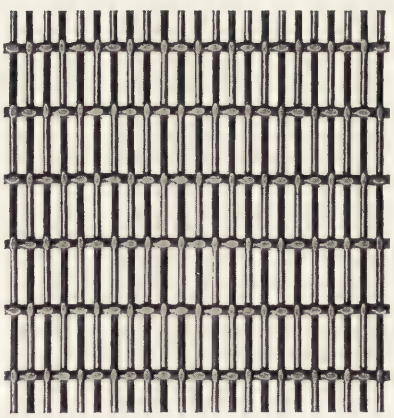
No. 142, Rek-Tang



No. 70, Rek-Tang



No. 20, Rek-Tang



No. 121, Rek-Tang

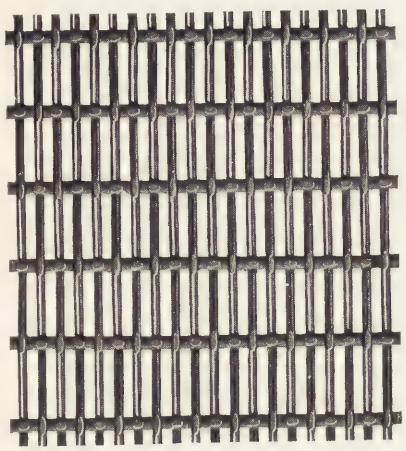
Where "Rek-Tang" Screens Can be Used

Rek-Tang can be used practically without limitation. Wherever material is screened Rek-Tang serves. Whether the material is wet or dry makes no difference.

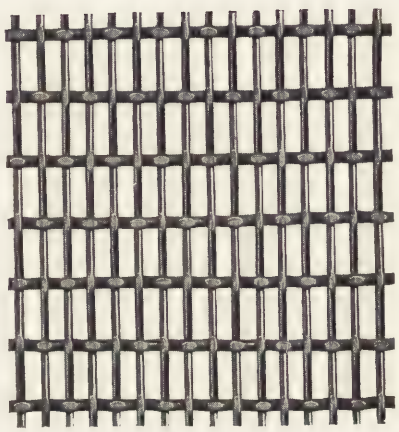
We list here some of the uses to which Rek-Tang has been put:

Shaker Screens.
Jig Screens.
Revolving Screens.
Trommel Screens.
Stamp Battery Screens.
Vibrating Screens.
Huntington Mill Screens.
Chilian Mill Screens.
Cement Screens.
Ball Mill Screens.

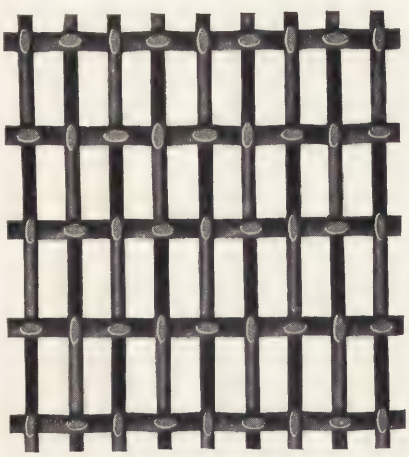
Whenever a screen is needed there is a Rek-Tang mesh to meet the needs. Wherever a metal screen is used a Rek-Tang screen can be used to better advantage.



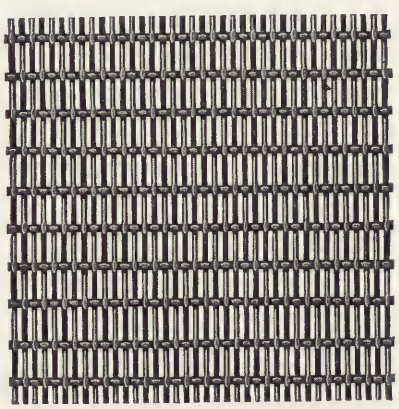
No. 80, Rek-Tang



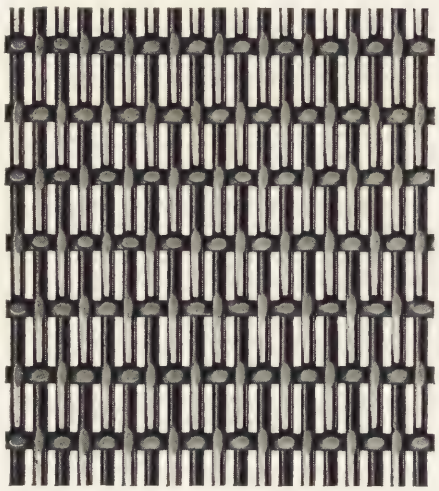
No. 100, Rek-Tang



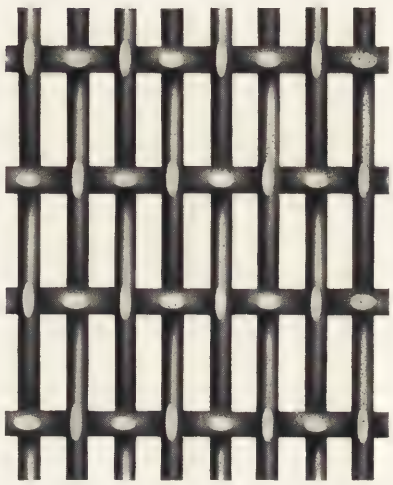
No. 46, Rek-Tang



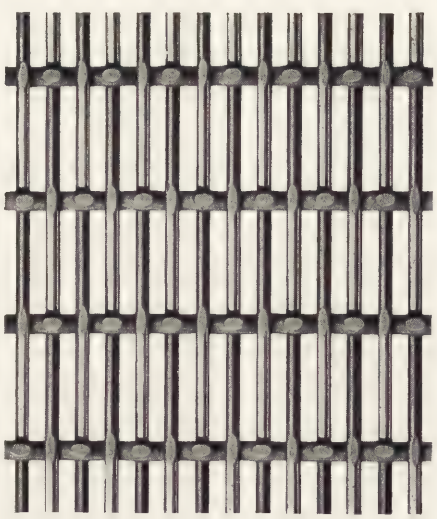
No. 190, Rek-Tang



No. 197, Rek-Tang

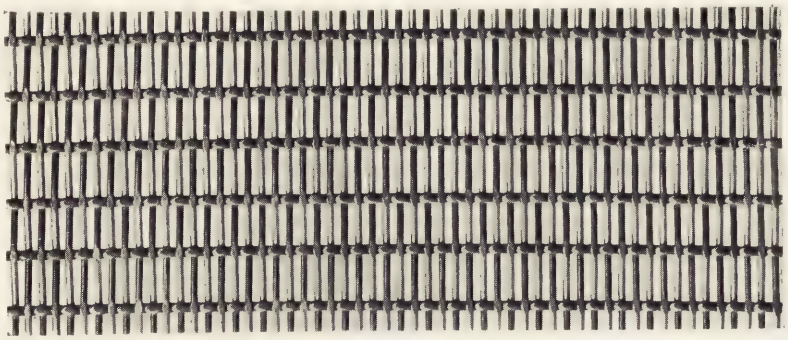


No. 42, Rek-Tang



No. 69, Rek-Tang

A



To avoid error in ordering Rek-Tang Screens, we show herewith two ways in which it may be cut:

(A) With long mesh running the short way or width of screen.

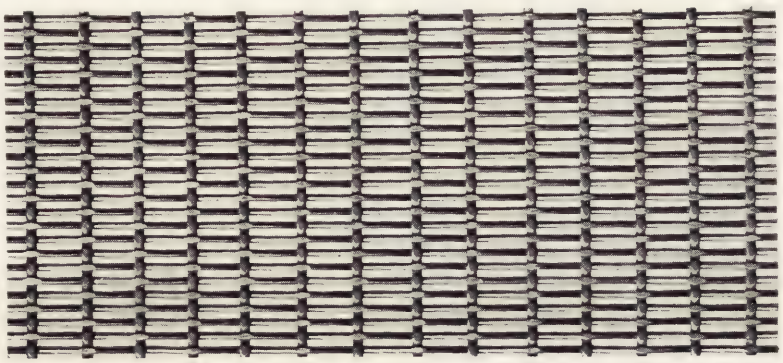
(B) With long mesh running the long way or length of screen.

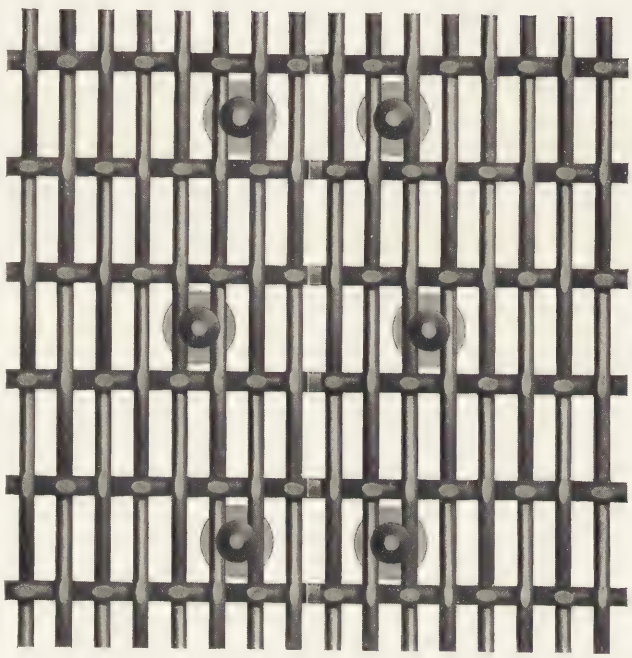
Ninety per cent of our orders are as shown in (B), but we make them either way. When sending your first order for Rek-Tang, be sure to specify whether it is to be cut like (A) or (B)—giving exact size of the frame which the screen is to fit, and, if possible, send template.

Style A—In some instances it is impossible to furnish style A in one piece and whenever necessary we will furnish in two pieces spliced as illustrated on following page.

Style B can be furnished up to five feet in width and in lengths up to fifteen feet.

B





Showing method of splicing Rek-Tang screening. An extra section of screening is placed beneath and overlapping the two sections joined. Rivets through this extra section and the main screening forms a perfect joint of the two main sections, giving for practical purposes a continuous screen.

Special Grades

Besides the regular grades of Wire Cloth listed herein, The Ludlow-Saylor Co. are also prepared to make cloth for all special purposes from any of the commercial metals.

Among the grades not shown in our lists, which are either carried in stock or can be furnished on short notice are the following: Brass Milk Strainer Cloth, Brass and Copper Ventilator or Car Cloth, Galvanized Wire Cloth for Refrigerator Cars, Twilled Brass or Copper Cloth for Filters of all Kinds and Brass or Copper Cloth for Sugar Mills.

Prices and Terms

Owing to constant fluctuations in the cost of raw materials, etc., the prices made by The Ludlow-Saylor Co., are subject to change without notice.

All invoices state the terms of payment required and when bills become overdue they are subject to sight draft; also to interest from date of obligation.

Orders for wire cloth which have been filled precisely as specifications state and which have been shipped according to instructions given, will not be exchanged nor credited if returned.

Prompt Delivery

The vast resources, convenient location and tremendous capacity of the Ludlow-Saylor concern insures prompt delivery of orders, whether large or small. Being situated in the very center of the United States and conveniently adjacent to the districts from which their raw material is drawn naturally operates favorably, both as to economy of productive costs and shipping charges.

A special switch connects the plant directly with all the great railroad systems that center at St. Louis, thereby insuring remarkable promptness in the shipping of car load lots.

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